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NBS Special Publication 703

Private Sector Product Certification Programs in the United States

Maureen A. Breitenberg, Editor

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The National Bureau of Standards¹ was established by an act of Congress on March 3, 1901. The Bureau's primary goals are to strengthen and advance the nation's science and technology and facilitate the free flow of information therefrom. To this end, the Bureau conducts research and provides: (1) a national system of accurate measurements; (2) scientific and technological services for industry and commerce, education and the public; (3) research and development in metrology; and (4) technical services to promote public safety. The Bureau's research work is performed by the National Measurement Laboratory, the National Engineering Laboratory, the Institute for Computer Sciences and Technology, and the Institute for Materials Science and Engineering.

The National Measurement Laboratory

The National Measurement Laboratory provides a national system of primary and chemical measurement; maintains close liaison with the national system of other nations and conducts technical services leading to accurate and uniform physical and chemical measurements throughout the Nation's scientific community; maintains and operates the national standards; provides advisory and research services to other Federal agencies; conducts physical and chemical research; develops, produces and distributes Standard Reference Materials; and provides calibration services. The Laboratory consists of the following centers:

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- Radiation Research
- Chemical Physics
- Analytical Chemistry

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The National Engineering Laboratory provides technology and technical services to the public and private sectors to address national needs and to solve national problems; conducts research in engineering and applied science in support of these efforts; builds and maintains competence in the necessary disciplines required to carry out this research and technical service; develops engineering data and measurement standards; provides engineering measurement traceability services; develops methods and proposes engineering standards and code changes; develops and proposes new engineering practices; and develops and improves mechanisms to transfer results of its research to the ultimate user. The Laboratory consists of the following centers:

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- Electronics and Electrical Engineering²
- Manufacturing Engineering
- Building Technology
- Fire Research
- Chemical Engineering²

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The Institute for Computer Sciences and Technology provides scientific and technical services to aid Federal agencies in the selection, acquisition, application, and use of computer technology to improve effectiveness and economy in Government operations in accordance with Public Law 89-306 (40 U.S.C. 759), relevant Executive Orders, and other directives; carries out this mission by managing the Federal Information Processing Standards Program, developing Federal ADP standards guidelines, and managing Federal participation in ADP standardization activities; provides scientific and technological advisory services and assistance to Federal agencies; and provides the technical foundation for computer-related policies of the Federal Government. The Institute consists of the following center:

- Programming Science and Technology
- Computer Systems Engineering

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The Institute for Materials Science and Engineering provides research and provides measurements, data, standards, reference material, quantitative understanding and other technical information fundamental to the processing, structure, properties and performance of materials; addresses the scientific basis for new advanced materials technologies; plans research and cross-country scientific themes such as nondestructive evaluation and phase diagram development; oversees Bureau-wide technical programs in nuclear reactor radiation research and nondestructive evaluation; and broadly disseminates generic technical information resulting from its programs. The Institute consists of the following Divisions:

- Inorganic Materials
- Fracture and Deformation³
- Polymers
- Metallurgy
- Reactor Radiation

¹ Headquarters: National Bureau of Standards, Gaithersburg, MD, unless otherwise noted; mailing address: Washington, MD 20899.

² Located at Boulder, CO; some elements located at Boulder, CO 80303.

³ Located at Gaithersburg, CO; with some elements at Gaithersburg, MD.

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Office of Product Standards Policy
National Bureau of Standards
Gaithersburg, MD 20899

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Foreword

Many organizations in the United States are concerned with product certification in one or more of the following ways: (1) administration and direct conduct of certification programs; (2) administration of certification programs through third-party laboratories or inspection organizations, or (3) service as a certifier. For each organization, this directory describes the nature of the participation in certification activities, the products certified, the program requirements, standards used, availability and cost of services, and other relevant information.

This volume culminates one phase of an effort by the National Bureau of Standards to establish databases on certification programs in order to respond to foreign and domestic requests for information. It is designed to serve the needs of Federal agencies that might use private sector programs in lieu of their own. Manufacturers, distributors, state government officials and others may also find this directory to be of value. Subsequent compilations will cover Federal and State certification activities.

Dr. Stanley I. Warshaw
Director, Office of Product
Standards Policy

Acknowledgements

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The editor also thanks Terry Grimes for her long hours in preparing this volume for publication.

Abstract

This directory presents information from 109 private sector organizations in the United States which engage in product certification activities. Entries describe the type and purpose of each organization, the nature of the activity, product certified, standards used, certification requirements, availability and cost of services, and other relevant details.

This directory is part of an ongoing NBS effort to establish and maintain a comprehensive database on standards, regulations, certification programs and related information. This material has been compiled to meet the needs of government, industry, and the public for information on private sector product certification programs in accordance with the requirements of the U.S. Trade Agreements Act of 1979.

Key Words: Certification, Standards, Testing, Inspection, Grading, Specifications, Product, Approval, Listing, Certifiers

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Introduction

Background

The General Agreement on Tariffs and Trade (GATT), signed by more than 80 governments is intended to reduce tariffs, eliminate nontariff measures, and remove other trade obstacles to the free flow of international trade. Since 1948, seven rounds of multilateral trade negotiations have been conducted under the auspices of the GATT. The most recent round, from 1973 to 1979, was the most comprehensive and far-reaching negotiation, resulting not only in significant reduction of world tariffs, but also in major agreement on other, nontariff measures. One of these, the Agreement on Technical Barriers to Trade (also known as the "Standards Code"), recognizes the importance of international standards and certification systems for "improving efficiency of production and facilitating the conduct of international trade."

The Standards Code has now been signed by 36 nations and the European Community. In the United States, the Trade Agreements Act of 1979 implemented U.S. acceptance of the Standards Code. Title IV of The Act specifies obligations for the Federal government, including responsibilities bearing on certification. Each Federal agency must assure that foreign products are treated in the same manner as domestic goods. Moreover, the Federal government is to take reasonable measures to promote similar practices by state governments and the private sector. In addition to this general mandate, the Departments of Agriculture and Commerce are charged with specific actions to be carried out with regard to agricultural and non-agricultural products respectively. As one of its responsibilities, the Department of Commerce is required to maintain a center of information on standards and standards-related subjects such as certification.

Role of the National Bureau of Standards Under the Act

The Department of Commerce has designated the International Trade Administration and the National Bureau of Standards (NBS) to carry out departmental responsibilities. The NBS functions are assigned to the Standards Code and Information (SCI) Program in the Office of Product Standards Policy (OPSP).

As part of the SCI program, the National Center for Standards and Certification Information (NCSCI) maintains a reference collection consisting of 240,000 standards, specifications, and related materials. NCSCI exchanges standards information with similar national centers in other countries and responds to requests for information from governmental and private sector organizations, as well as individuals. Besides specifications and standards, NCSCI seeks, maintains, and disseminates information on certification programs and activities as they relate to the application and use of specifications and standards.

Program Objectives

The broad objective of OPSP's efforts related to certification is to improve the accessibility and use of certification programs. Specific objectives include help for interested parties in acquiring information on certification activities and facilitating the development of reciprocal acceptance of certification data by both domestic and foreign jurisdictions.^{1/}

This directory is the result of one phase of the efforts initiated by OPSP to accomplish its certification-related objectives. We believe that it will aid in recognizing the diversity and therefore the complexity of U.S. private sector product certification activities, and will serve as a useful reference for finding out about specific programs operating in the U.S.

Scope of the Directory

This directory summarizes product certification activities of 109 non-governmental organizations based in the United States, including organizations which operate strictly within the U.S. as well as those which operate entirely or in part at an international level or as part of an international program. The directory includes organizations which administer programs and certify that products meet some criteria; administer programs using an independent third-party certifier; or serve as the independent third-party certifier.

This directory includes only product-related certification programs. It does not attempt to address programs certifying services or professional skills, nor does it include programs which do not specify criteria or standards which a product must meet in order to be approved. The information in this directory was based on information provided by the individual organizations. No attempt was made to evaluate or to validate the information provided.

Compilation of Information

Considerable effort was made to be comprehensive. More than 400 organizations were invited to provide information on their certification programs, if any, and documentation concerning the specifics of their programs. The program effort was announced in industry newsletters and in TBT news, published by OPSP. Information for the entries was voluntarily provided by respondents. Although efforts were made to be comprehensive, there may be other organizations involved in certification activities. Such organizations are invited to send pertinent information to:

National Center for Standards and Certification
Information (NCSCI)
Office of Product Standards Policy
National Bureau of Standards
Administration Building, Room A629
Gaithersburg, MD 20899

^{1/}-----
^{1/}John L. Donaldson, "U.S. Government Certification Activities Implementing the Standards Code," Standards Engineering Society Conference, 1982.

Organizations are encouraged to keep NBS informed of changes in name or address, or in the nature of their programs. In addition to this directory, NBS maintains a publicly accessible reference collection of current materials provided by private sector product certification programs.

Other NCSCI Documents of Possible Interest

In addition to this directory, NCSCI has recently published two related directories:

- NBS SP 649 Directory of International and Regional Organizations Conducting Standards-Related Activities, April, 1983, and
- NBS SP 681 Standards Activities of Organizations in the United States, August, 1984

which provide information on the standards activities of U.S. and International organizations.

NCSCI will soon publish a revision of:

- NBS SP 329 Index of U.S. Voluntary Engineering Standards, May, 1975

which is a listing of U.S. Voluntary Standards based on key words in the title of the standard.

NCSCI is also preparing directories of Federal and State certification programs. Further information on these publications and activities can be obtained from NCSCI at the address listed above.

ORGANIZATION NAME: Air-Conditioning and Refrigeration Institute

ACRONYM: ARI

NATURE OF

ORGANIZATION: Trade association founded in 1903 with a membership of 178 and a staff of 35.

ADDRESS: 1501 Wilson Blvd., Suite 600, Arlington, VA 22209

TELEPHONE NUMBER: 703-524-8800

LOCATIONS OF TESTING FACILITIES: Uses ETL testing facilities located in Cortland, NY.

PURPOSE: To represent the central residential and commercial air-conditioning and refrigeration industry.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: ARI standards available from ARI.
Also uses UL, ASHRAE, ANSI, AND NFPA standards.

CERTIFICATION

- ACTIVITIES:
1. Retains ETL as the program's testing laboratory.
 2. Requires preliminary random test at ETL.
 3. Requires participation in a periodic random testing program by ETL.
 4. Requires self-certification by the manufacturer that he meets all ARI requirements.
 5. Requires complaint testing in the event of a substantiated complaint by a competitor.
 6. Authorizes use of its mark and publishes approved product directories.
 7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fees based on size of monthly shipments.

PRODUCTS

CERTIFIED: Outdoor unitary air-conditioning and heat pump equipment rated below 135,000 Btuh; mechanical transport refrigeration units; self-contained, mechanically-refrigerated drinking-water coolers; air-cooling and air-heating coils; central station air-handling units; room fan-coil air conditioners; packaged terminal air-conditioners; packaged terminal heat pumps; water-source heat pumps; unitary air-conditioners; solar collectors; unitary air-source heat pumps.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Coil lines (21); central station air-handling units (8); packaged terminal air-conditioners (8); packaged terminal heat pumps (8); room fan-coil air-conditioners (10); water-source unitary heat pumps (15); unitary air-conditioners (53); air-source unitary heat pump equipment (43); certified solar collectors (19); transport refrigeration units (2); drinking water coolers (6).

PRODUCT

DIRECTORIES: "Directory of Certified Drinking-Water Coolers;" "Directory of Certified Transport Refrigeration Units;" "Directory of Applied Air-Conditioning Products;" "Directory of Certified Unitary Air-Conditioners, Unitary Air-Source Heat Pumps, Sound-Rated Outdoor Unitary Equipment," "Directory of certified Solar Collectors." Available to the industry free and to the public for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: Certification Program Operational Manuals for each product are available free to the industry.

ORGANIZATION NAME: Air Diffusion Council

ACRONYM: ADC

NATURE OF ORGANIZATION: Trade association founded in 1961 and composed of 19 members.

ADDRESS: 230 North Michigan Avenue, Suite 1200, Chicago, IL 60601

TELEPHONE NUMBER: 312-372-9800

LOCATIONS OF TESTING FACILITIES: Uses approved laboratories of ADC members and ETL testing facilities located in Cortland, NY; E.H. Price Sales Limited in Winnipeg, Manitoba, Canada; and Energistics, Inc., Houston, TX.

PURPOSE: To administer industry wide testing and rating standards; to encourage basic research into the behavior of air streams in enclosed areas; to participate in activities related to air terminal device standardization; to conduct research on sound analysis of air distribution equipment.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1962

STANDARDS

USED: ADC standards available from ADC.
Also uses ASME, ISO and ANSI standards in laboratory accreditation.

CERTIFICATION

- ACTIVITIES:
1. Approves manufacturers' testing laboratories and independent testing laboratories.
 2. Requires that data obtained in an approved laboratory be submitted and evaluated by a Rating Subcommittee of the ADC Engineering Committee.
 3. Has its own certification seal and publishes approved manufacturer/product directories.
 4. Requires that if there are substantiated challenges to the ability of a product to meet ADC requirements that the product be submitted for independent laboratory testing.
 5. Requires triennial check tests of certified products at an ADC approved laboratory under the supervision of the ADC Engineering Consultant.
 6. Has a formal appeals procedure.

COMMENTS: None.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Grilles, registers, diffusers, and air terminal devices (mixing boxes).

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 8 companies.

PRODUCT

DIRECTORIES: "Directory of ADC Certified Products and Membership Roster."
Available free to the public.

PROGRAM

DOCUMENTATION

AVAILABLE: "Test Manual for Grilles, Registers and Diffusers, ADC 1062 LRD-84" which supercedes "Certification, Rating, and Test Manual 1062 R4," "Test Manual for Air Terminal Devices (Boxes), Joint Standard 880 (published jointly with ARI)," and "Laboratory Certification Manual, ADC 1062 LCM-83."

ORGANIZATION NAME: Air Movement and Control Association, Inc.

ACRONYM: AMCA

NATURE OF

ORGANIZATION: Not-for-profit trade association founded in 1955 with a membership of over 100 and a staff of 14.

ADDRESS: 30 West University Drive, Arlington Heights, IL 60004

TELEPHONE NUMBER: 312-394-0150

LOCATIONS OF TESTING FACILITIES: Uses AMCA laboratory in Arlington Heights, IL as well as approved independent laboratories, and approved laboratories of the manufacturers.

PURPOSE: To develop accurate and reliable testing procedures, to serve as a communications center on all matters related to the air movement and control industry, and to compile information of use to the industry.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1963

STANDARDS

USED: Uses AMCA Standards available from AMCA.

CERTIFICATION

- ACTIVITIES:
1. Approves testing laboratories and manufacturers' testing facilities.
 2. Reviews test data submitted from an approved laboratory on preproduction or production samples.
 3. Requires precertification check at the AMCA Testing Laboratory of one sample of each new product line from the sample initially tested.
 4. Requires production check when preproduction sample is tested.
 5. Requires manufacturing check of a sample of each licensed product line at AMCA Testing Laboratory every 3 years.
 6. Requires challenge test when test data from an AMCA approved laboratory indicates that a product did not perform within specified tolerances.
 7. Authorizes the use of its mark and publishes an approved product directory.
 8. Has a formal appeals procedure.

COMMENTS: None.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: License fee based on dollar volume of licensed products shipped. Fixed fees for AMCA Testing Laboratory tests. Staff travel expenses based on associated costs incurred by Staff Engineer.

PRODUCTS

CERTIFIED: Centrifugal fans; propeller fans; axial fans; power roof ventilators; ceiling ventilators; evaporative coolers; louvers, dampers & shutters; air curtains, ceiling fans.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 86 firms.

PRODUCT

DIRECTORIES: "Directory of Licensed Products", Publication 261, is free.

PROGRAM

DOCUMENTATION

AVAILABLE: Publications 211, 311 and 511 are available for a fee. These publications describe the certified ratings programs for air performance, air moving devices, and air control devices respectively.

ORGANIZATION NAME: All-America Rose Selections

ACRONYM: AARS

NATURE OF

ORGANIZATION: Non-profit research corporation founded in 1938 with a membership of 17.

ADDRESS: P.O. Box 218, Shenandoah, IA 51601

TELEPHONE NUMBER: 712-246-2884

LOCATIONS OF TESTING FACILITIES: AARS has 23 gardens throughout the U.S.

PURPOSE: To improve roses for the gardening public.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1938

STANDARDS

USED: Uses AARS guidelines and official scoring forms.

CERTIFICATION

- ACTIVITIES:
1. Selects official test gardens and demonstration gardens.
 2. Requires judges to be trained with periodic refresher courses and to have served a two year apprenticeship.
 3. Requires a two year growing test in 23 test gardens throughout the U.S.
 4. Requires a two thirds affirmative ballot by membership to receive AARS designation. Total roses designated cannot exceed five per year.
 5. Requires approval of proposed names of roses.
 6. Authorizes the use of the AARS designation and issues appropriate other recognitions of the award.
 7. Conducts a publicity campaign for winners.

COMMENTS: Does not have a formal appeals procedure. Introducers donate award winners to 112 AARS approved public rose gardens.

AVAILABILITY OF SERVICES: Open to varieties of roses which have not been sold in the U.S. for outside planting and whose hybridizer or grower is located in the U.S.

COST OF SERVICES: Fixed fee schedule based on number of entries.

PRODUCTS

CERTIFIED: Tea and hybrid roses; floribunda and polyantha roses; climbing, pillar, shrub and ground cover roses; roses; miniature roses.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 40% of the roses sold in the U.S. are AARS winners.

PRODUCT

DIRECTORIES: "Roses are for You" is available free from AARS.

PROGRAM

DOCUMENTATION

AVAILABLE: "All-America Rose Selections, Inc.: Rules and Regulations" and "The History of All-America Rose Selection" are available free from AARS.

ORGANIZATION NAME: All-America Selections

ACRONYM: AAS

NATURE OF

ORGANIZATION: Nonprofit organization founded in 1932 with a staff of 3 at the headquarters office.

ADDRESS: 628 Executive Drive, Willowbrook, IL 60521

TELEPHONE NUMBER: 312-655-0010

LOCATIONS OF TESTING FACILITIES: Entries are tested in a number of locations throughout the country.

PURPOSE: To evaluate new seed-grown flowers and vegetables from around the world for home garden performance.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1932

STANDARDS

USED: Uses the evaluation of judges who are experts in the horticultural field.

CERTIFICATION

- ACTIVITIES:
1. Entries must never have been sold anywhere in the world.
 2. Producers must submit seeds, photos and the name of the best of its class variety that is closest to the entry. Identity of the producer is protected.
 3. Entries and comparison seed are sent to judges who grow them side by side. Judges score entries and then send them to an accounting firm for impartial tally.
 4. The directors of AAS determine winners on the basis of score.
 5. Producers are allowed up to three years to produce an adequate amount of seed.
 6. When the seed supply is adequate, winners are announced.
 7. Publizes winners and authorizes the use of its logo.
 8. There is a "Gentlemen's Agreement" that other producers will not produce seeds of other producers' winners for a period of time.

COMMENTS: No formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees plus a percentage of the profits from winning entries.

PRODUCTS

CERTIFIED: Seed-grown flowers, and seed-grown vegetables.

NUMBER OF FACTORIES/

FIRMS LISTED/CERTIFIED: N/A.

PRODUCT

DIRECTORIES: "AAS Proving Grounds" which is available free from AAS.

PROGRAM

DOCUMENTATION

AVAILABLE: "AAS History--50 Years of Trials," "Manual for Judges and Trial Grounds Managers, Display Gardens, Preview Gardens, Garden Seed Breeders and Markets, Horticultural Supply Companies" are available free from AAS.

ORGANIZATION NAME: American Architectural Manufacturers Association

ACRONYM: AAMA

NATURE OF

ORGANIZATION: Trade association founded in 1936 with a membership of 250 and a staff of 8.

ADDRESS: 2700 River Road, Suite 118, Des Plaines, IL 60018

TELEPHONE NUMBER: 312-699-7310

LOCATIONS OF TESTING FACILITIES: Architectural Testing, York, PA; Bowser-Morner Testing Lab, Dayton, OH; Associated Dallas Labs, Dallas, TX; National Certified Testing Laboratories, York, PA; Inspection & Research Laboratory, Ontario, CA; Miami Testing Laboratory, Inc., Hialeah, FL; Mid America Testing Laboratory, Catawissa, MO; Northwest Laboratories of Seattle, Seattle, WA; Pacific Inspection & Research Laboratory, Redmond, WA; Pittsburgh Testing Laboratory, Pittsburgh, PA; Southwestern Laboratories, Fort Worth, TX; Twin City Testing & Engineering Laboratory, St. Paul, MN

PURPOSE: To promote the use of, to develop standards for, and to serve as the technical information center on architectural fenestration and "envelop" products.

CERTIFICATION

FUNCTIONS: Program administrator. Associated Laboratories serves as program validator.

CERTIFICATION

PROGRAM(S) BEGUN: 1962

STANDARDS

USED: Uses ANSI/AAMA standards which are available from ANSI or AAMA. Also uses HUD standards which are available from HUD.

CERTIFICATION

ACTIVITIES:

1. Accredits laboratories thru AAMA Research Foundation.
2. Requires initial testing by an accredited laboratory and periodic testing by the program validator.
3. Requires initial and periodic evaluation of a producer's Q.A. system.
4. Authorizes the use of its mark and publishes approved product/manufacturer directories.
5. Issues certificates of approval.
6. Has a formal appeals procedure.

COMMENTS: This program is accredited by ANSI

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Prime windows, storm windows, storm doors, manufactured housing windows, manufactured housing doors.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: 200

PRODUCT

DIRECTORIES: "Certification Program Directory" which is available from AAMA to the general public for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: See "Publications Catalog" available from AAMA.

ORGANIZATION NAME: American Association of Medical Milk Commissions, Inc.

ACRONYM: AAMMC

NATURE OF

ORGANIZATION: Professional organization founded in 1903 with a membership of 35.

ADDRESS: 1824 North Hillhurst Ave., Los Angeles, CA 90027

TELEPHONE NUMBER: 213-664-2466

PURPOSE: To develop and adopt uniform methods and standards for the production of certified milk.

CERTIFICATION

FUNCTION(S): Individual Medical Milk Commissions certify.

CERTIFICATION

PROGRAM(S) BEGUN: 1893; Organized into one association in 1903.

STANDARDS

USED: "Methods and Standards for the Production of Certified Milk," augmented by any requirements of local commissions. Also uses USDA standards and test methods, and APHA methods.

CERTIFICATION

ACTIVITIES:

1. Approves Medical Milk Commissions and may itself serve as a Medical Milk Commission.
2. Individual milk commissions require testing and inspection on the manufacturer's premises.
3. Requires herd identification and has herd management standards.
4. Requires employees to be under physician supervision.
5. Authorizes the use of its mark.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all domestic producers.

CERTIFIED

PRODUCTS: Milk, cream, skim (nonfat) milk, cottage cheese, kefir, buttermilk, and others as may be designated.

PROGRAM

DOCUMENTATION

AVAILABLE: "Methods and Standards" is available free upon request.

ORGANIZATIONAL NAME: American Bureau of Shipping

ACRONYM: ABS

NATURE OF

ORGANIZATION: Not-for-profit ship classification society founded in 1862 with a staff of 1685 employees in 92 countries.

ADDRESS: 65 Broadway, New York, NY 10006

TELEPHONE NUMBER: 212-440-0300

LOCATIONS OF

INSPECTION FACILITIES: Principal offices: New York City, NY; San Francisco, CA; Newport News, VA; Genoa, Italy; London, England; Rio de Janeiro, Brazil; Singapore, Singapore; Tokyo, Japan; Cleveland, OH; New Orleans, LA; Sydney, Australia; Manama, Bahrain; Durban, South Africa; Toronto, Canada.

PURPOSE: To establish and administer standards (termed rules) for the design, construction and periodic survey of merchant ships and other marine structures.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1870

STANDARDS

USED: Uses ABS standards which are available from ABS.
Also uses ASTM, ATP, CSC, ISO, ANSI, CIM, UIC, IMDG, IMO, RID, ADR, TCT, and ASME standards and requirements.

CERTIFICATION

ACTIVITIES: Certification programs consist of:

- 1) Review of detail plans and design data for compliance with rules or other appropriate standards.
- 2) Material and equipment for vital structural and machinery components.
- 3) Construction inspection.
- 4) Attendance during testing.
- 5) In service inspection at periodic intervals.
- 6) Damage and repair assessment.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Ships, mobile offshore drilling and production units, fixed offshore structures, workboats, yachts, containers, cranes, cargo handling equipment engines, machinery and materials.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: ABS certifications cover 14,900 vessels and 1,000,000 cargo containers.

PROGRAM

DOCUMENTATION

AVAILABLE: ABS publishes a classification register, rules for building and classifying vessels and other products and structures, rules for the certification of cargo containers and nondestructive inspection of hull welds, guides, guidance manuals and other requirements.

ORGANIZATION NAME: American Dental Association

ACRONYM: ADA

NATURE OF

ORGANIZATION: Professional society of dentists founded in 1859 with over 133,000 members and a staff of 370.

ADDRESS: 211 East Chicago Ave., Chicago IL 60611

TELEPHONE NUMBER: 312-440-2567

PURPOSE: To encourage the improvement of the health of the public and to promote the art and science of dentistry.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses ADA specifications which are available from ADA.

CERTIFICATION

- ACTIVITIES:
1. Requires the submittal of an application which includes:
(a) the physical properties as obtained by standard test methods, (b) a brief description of the test apparatus if different from that described in the specification, (c) data covering every provision of the original specification; with names of the observers and dates of the tests, (d) specimens of all labels, guarantees and instruction.
 2. Requires self-certification by the manufacturer that the product meets the specification.
 3. Requires testing of sample obtained on the open market by ADA.
 4. Authorizes the use of the ADA Seal of Certification and publishes approved product lists.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to U.S. manufacturers of products sold in the U.S. and to U.S. distributors of imported products.

PRODUCTS

CERTIFIED: Dental materials, dental instruments, dental equipment.

PRODUCT

DIRECTORIES: Certified products are published in the "Lists of Certified Dental Material, Instrument, and Equipment," the "Journal of the American Dental Association," and in "Dentists Desk Reference."

PROGRAM

DOCUMENTATION

AVAILABLE: Copies of official specifications of the ADA and certification forms are available free upon request.

ORGANIZATION NAME: American Die Casting Institute

ACRONYM: ADCI

NATURE OF

ORGANIZATION: Trade association founded in 1928 with a staff of 9 and a membership of 250.

ADDRESS: 2340 Des Plaines Ave., Des Plaines, IL 60018

TELEPHONE NUMBER: 312-298-1220

LOCATIONS OF TESTING FACILITIES: Chicago Spectro Service Laboratory, Inc.,
Chicago, IL.

PURPOSE: To represent the die casting industry in legislative matters;
marketing areas; and conduct research through our technical arm,
the Die Casting Research Foundation, Inc.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1949

STANDARDS

USED: Uses ASTM standards which are available from ASTM.

CERTIFICATION

ACTIVITIES: 1. Requires type testing by an approved laboratory.
2. Authorizes the use of its mark and issues certificates of
approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

COST OF SERVICES: Included in annual dues.

PRODUCTS

CERTIFIED: Die castings.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 70.

ORGANIZATION NAME: American Gas Association

ACRONYM: AGA

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1918 and composed of approximately 300 gas transmission and distribution companies accounting for 85% of all gas delivered in the U.S.

ADDRESS: 8501 East Pleasant Valley Road, Cleveland, OH 44131

TELEPHONE NUMBER: 216-524-4900

LOCATIONS OF TESTING FACILITIES: Cleveland, Ohio and Los Angeles, CA.

PURPOSE: To serve as a clearinghouse for gas energy information for the public, as a catalyst in technical and energy policy matters for the gas industry, and as a spokesman on national issues for its member companies.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1925

STANDARDS

USED: Uses ANSI standards available from AGA or ANSI or AGA standards developed for products not covered by a national standards. Also uses NFPA, NEC, UL, HUD, and DOE standards.

CERTIFICATION

- ACTIVITIES:
1. Requires a review of construction and tolerance information.
 2. Requires testing at AGA laboratories.
 3. Requires inspection of factory and quality control procedures.
 4. Requires annual inspection/product testing for renewal of certification.
 5. May require additional data submission/testing upon modification of an AGA requirement.
 6. Authorizes the use of the AGA mark and publishes certified products in a directory.
 7. Has a formal appeals procedure.

COMMENTS: Also issues engineering reports when requested which are available from AGA.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fees based on actual costs of testing/inspection.

PRODUCTS

CERTIFIED: Gas-fired air conditioners, gas-fired boilers, gas outdoor heaters, gas-fired central furnaces, clothes dryers, construction heaters, decorative gas appliances, deep fat fryers, gas-fired duct furnaces, floor furnaces, hot plates, laundry stoves, gas cooking appliances, gas illuminating appliances, gas-fired infrared heaters, kettles, make-up air heaters, outdoor gas cooking appliances, gas commercial ovens, commercial gas ranges and unit boilers, recreational vehicle gas cooking appliances, refrigerators using gas fuel, room heaters, gas-fired swimming pool heaters, gas-fired toilets, unit heaters, gas-fired wall furnaces, gas water heaters, gas controls and accessories.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 260 manufacturers.

PRODUCT

DIRECTORIES: "Directory - Certified Appliances and Accessories" is available for a fee to the public.

PROGRAM

DOCUMENTATION

AVAILABLE: "Application for Certification" and "Application for Engineering Report" are available free upon request.

ORGANIZATION NAME: American Institute of Steel Construction

ACRONYM: AISC

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1921 with a staff of 50 and 400 members.

ADDRESS: 400 N. Michigan Ave., Chicago, IL 60611

TELEPHONE NUMBER: 312-670-2400

PURPOSE: To promote the use of structural steel in buildings and bridges.

CERTIFICATION

FUNCTIONS: Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1975

STANDARDS

USED: Uses AISC standards available from AISC.

CERTIFICATION

- ACTIVITIES:
1. Requires initial and periodic audit of a manufacturer's Q.A. system.
 2. Certifies that a plant has the personnel, organization, experience, procedures, knowledge, equipment, capability, and commitment to produce fabricated steel of the required quality for a given category of structural steelwork.
 3. Issues certificates of approval and publishes a listing of certified plants.
 4. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Certifies that a plant can produce conventional steel structures, complex steel building structures, major steel bridges, metal building systems.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 143.

PRODUCT

DIRECTORIES: "AISC Register of Plants Certified under the AISC Quality Certification Program" is available free from AISC.

PROGRAM

DOCUMENTATION

AVAILABLE: "AISC Quality Certification Program: Description" is now available from AISC along with application instructions and inspection-evaluation checklists for the various categories.

ORGANIZATION NAME: American Institute of Timber Construction

ACRONYM: AITC

NATURE OF

ORGANIZATION: Nonprofit technical trade association founded in 1952 with a membership of approximately 200 and a staff of 10.

ADDRESS: 333 West Hampden Ave., Englewood, CO 80110

TELEPHONE NUMBER: 303-761-3212

LOCATIONS OF TESTING FACILITIES: N/A.

PURPOSE: To further the development, production and marketing of timber products through the application of sound engineering practices and research and by establishment of design and product standards and a quality control and inspection system to assure economical, efficient, reliable performance in structural applications.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1961

STANDARDS

USED: Uses ANSI/AITC standards available from ANSI or AITC.
Also uses ASTM, WCLIB, WWPAA, SPIB, and RIS standards.

CERTIFICATION

ACTIVITIES:

1. Requires the inspection of a manufacturer's quality control manuals and procedures to determine their adequacy.
2. Requires the examination of the qualifications of lumber graders and quality control personnel.
3. Requires inspection of plant facilities and equipment to assess adequacy.
4. Requires periodic unannounced inspections.
5. Authorizes the use of the AITC mark and issues certificates.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all manufacturers of structural glued laminated timber.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Structural glued laminated timber.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE: "Inspection Manual AITC 200-83" available from AITC for a fee.

ORGANIZATION NAME: American Lumber Standards Committee

ACRONYM: ALSC

NATURE OF

ORGANIZATION: Industry organization founded in 1922 with 28 members appointed by the Dept. of Commerce and a staff of 9.

ADDRESS: P. O. Box 210, Germantown, MD 20874

TELEPHONE NUMBER: 301-972-1700

PURPOSE: To establish and maintain standards for size, grade and other matters and to approve softwood grading rules, certify agencies and sit in review of the adequacy, competency and reliability of such agencies.

CERTIFICATION

FUNCTION(S): Program administrator and certifier of inspection agencies.

STANDARDS

USED: Uses NBS Voluntary Product Standard PS 20-70.
Also uses ASTM standards and USDA terminology.

CERTIFICATION

- ACTIVITIES:
1. Certifies inspection agencies through the Board of Review selected by ALSC. Requires agencies to not be controlled by any firm whose products are subject to agency inspection; to conduct quality assurance checks of its inspection staff; to reinspect shipments subject to dispute; to supervise its inspection staff; to mark lumber with identification information and agencies' own marks; to not provide inspection services to mills whose marking services have been warned, withdrawn, or suspended by another certified agency; and to maintain records on inspections for 2 years.
 2. Board of review conducts field exams of certified or grade-marked lumber at destination points or at the mill using competent individuals to make such examinations. Also conducts periodic random sample check inspections on lumber grade-marked at mills utilizing the services of an ALSC certified inspection agency.
 3. Has a formal appeals procedure.

COST OF SERVICES: Fixed fee for agency certification. Inspection costs depend on fee schedule of each ALSC certified inspection agency.

PRODUCTS

CERTIFIED: Softwood lumber, cedar, fir, hemlock, juniper, larch, pine, spruce.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: NBS VPS PS 20-70 available from NBS or GPO, and "American Lumber Standards Committee Board of Review Enforcement Regulations and Guidelines" available free from ALSC.

ORGANIZATION NAME: American Petroleum Institute

ACRONYM: API

NATURE OF
ORGANIZATION: Trade association founded in 1919 with 230 companies and more than 6000 individual members. The API staff consists of approximately 600 individuals throughout the United States.

ADDRESS: API Headquarters, 1220 L St, NW, Washington, DC 20005
API Production Office, 211 N. Ervay, Suite 1700, Dallas, TX 75201

TELEPHONE NUMBER: API Headquarters: 202-682-8000
API Production Office: 214-741-6791

PURPOSE: To maintain cooperation between government and industry on all matters of national concern, to foster foreign and domestic trade in petroleum products, to promote the interests of the petroleum industry, to promote the mutual improvement of members and the study of the arts and sciences connected with the petroleum industry.

CERTIFICATION
FUNCTION(S): To assure the API that each licensee's facility is capable of producing products in conformance with applicable specifications.

CERTIFICATION
PROGRAM(S) BEGUN: API Pipe Audits - 1980
API Quality Audits - tentatively late 1985

STANDARDS
USED: Uses API Standards - available from API
These standards reference ASTM, ASME, ASM, NACE, AWS, AISI, and other standards.

CERTIFICATION
ACTIVITIES: Licensing Pipe Manufacturers

1. API requires the submittal of an application with proof that the product conforms to one or more API specifications.
2. API requires references from representative users in the oil industry.
3. API selects a surveyor to audit each manufacturers facilities..
4. Authorized the use of the API Monogram and issues a License Agreement for each specification for which applicant is authorized, 3 Year License Duration.

COMMENTS: Appeals - An interested party may appeal any API standards action. Appeals shall be directed to the Director, API Production Department and handled by the General Committee of the Production Department with a further right of appeal to the API Management Committee. Competing suppliers or manufacturers of the product or service to which the standard applies or might apply may not be involved in appeals. The General Committee and the Management Committee may convene appeals boards to hear and act on appeals.

AVAILABILITY OF SERVICES: Open to all interested parties.

COST OF SERVICES: Fixed license fees with annual renewal charges.

PRODUCTS: Pipe.

MANUFACTURERS
LICENSED: Manufacturers who are capable of producing products in compliance with applicable standards.

NO. OF LICENSED API
MANUFACTURING FACILITIES
(ALL SPECIFICATIONS): Approximately 2,100 licensed manufacturing facilities.

PRODUCT
DIRECTORIES: Bulletin S2 lists all Publications issued by the API Production Department. All publications are available for a nominal fee to cover printing costs.

ORGANIZATION NAME: American Plywood Association

ACRONYM: APA

NATURE OF

ORGANIZATION: Trade association founded in 1936 with 62 member companies and 146 manufacturing plants and a staff of 185.

ADDRESS: 7011 So. 19th St., P.O. Box 11700, Tacoma, WA 98411

TELEPHONE NUMBER: 206-565-6600

LOCATIONS OF TESTING FACILITIES: Tacoma, WA; Shreveport, LA; Coeur d'Alene, ID; Eugene, OR; Medford, Oregon; Dothan, AL; Florence, SC.

PURPOSE: To conduct trade promotion activities including cooperative advertising and publicity; to develop a statistical service of interest to the industry; to engage in research and product certification/validation; to own and register trademarks and also license them for use by its members; to conduct other activities to promote the interests of the industry.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

ACTIVITIES:

1. Operates two quality assurance programs. Random audit program requires inspection 3-5 times per week by APA staff. Certified inspector program requires intensive training of a mill employee who serves as the in-plant inspector with APA audit inspections being conducted at least once per week.
2. Authorizes use of APA registered trademarks to identify products inspected and tested under certification/validation program.
3. Has a dispute resolution procedure for buyers and producers.
4. Approves new glue applications and adhesives for plywood.
5. Publishes product directories and use manuals.

COMMENTS: Has no formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members.

COST OF SERVICES: Based on size of production.

PRODUCTS

CERTIFIED: Industrial plywood, construction plywood, waferboard, oriented strand board, structural particleboard.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: Approximately 146.

PRODUCT
DIRECTORIES: "APA Directory" available free upon request.

PROGRAM
DOCUMENTATION
AVAILABLE: "Grading Policies," "Qualification Procedures for Trademarking Privileges," "Adhesive Policy," "Trademark License Agreement" & "American Plywood Association Quality Assurance Program" are available upon request.

ORGANIZATION NAME: American Society of Sanitary Engineering

ACRONYM: ASSE

NATURE OF

ORGANIZATION: Technical organization founded in 1906 with a membership of 2700.

ADDRESS: P.O. Box 40362, Bay Village, OH 44140

TELEPHONE NUMBER: 216-835-3040

LOCATIONS OF TESTING FACILITIES: Kings Park, NY; Norwood, MA; Los Angeles, CA; Ann Arbor, MI; Fresno, CA; Hoboken, NJ; Pittsburgh, PA.

PURPOSE: To conduct research on plumbing and sanitation, and to develop performance standards for components of the plumbing system.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses ASSE Standards available from ASSE.

CERTIFICATION

ACTIVITIES:

1. Requires product to pass ASSE approved laboratory testing.
2. Requires a review of the product's detailed drawings and installation information.
3. After 5 years, requires submission of detailed drawings for ASSE review again.

COMMENTS: Has no formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed initial fee with annual renewal fees.

PRODUCTS

CERTIFIED: Vacuum breakers, ball cocks, valves, dishwashing machines, washing equipment, food waste disposers, water hammer arresters, backflow preventers, handheld showers, wall hydrants, drain air gaps, hot water dispensers, diverters, flow restrictors, plumbing components.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION:
AVAILABLE:

"Seal Authorization Procedure Information," and "Official
Testing Laboratories" are available free upon request.

ORGANIZATION NAME: American Wood Preservers Bureau

ACRONYM: AWPB

NATURE OF

ORGANIZATION: Quality control program for pressure treated lumber and Plywood.

ADDRESS: P.O. Box 6085, 2772 S. Randolph St., Arlington, VA 22206

TELEPHONE NUMBER: 703-931-8180

LOCATIONS OF TESTING FACILITIES: Arlington, VA.

PURPOSE: To serve industry members, wholesalers, retailers, and users of pressure treated wood by providing a third-party quality control program.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1971

STANDARDS

USED: AWPB standards available from AWPB.
Also uses ASTM and AWPB standards and Federal specifications.

CERTIFICATION

- ACTIVITIES:
1. Certifies inspection agencies, who in turn conduct an initial inspection of the plant's equipment and approve the resident quality control supervisor.
 2. Inspection agencies must continually determine that procedures and requirements of the standards are being adhered to and inspect plant equipment at least once every 6 months.
 3. Inspection agencies or the resident quality control supervisor must sample every lot and submit the samples to AWPB for testing.
 4. AWPB has a buyer/seller dispute settlement mechanism.
 5. Conducts a random survey of 10% of each agency's plants annually.
 6. AWPB authorizes the use of its mark through the inspection agencies to manufacturers and publishes a list of licensed treaters.
 7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all treaters.

COST OF SERVICES: Depends on inspection agency selected.

PRODUCTS

CERTIFIED: Pressure preserved lumber, pressure preserved plywood, and pressure preserved pilings.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 290.

PRODUCT

DIRECTORIES: "AWPB Qualified Treating Plants" available free from AWPB.

PROGRAM

DOCUMENTATION

AVAILABLE: "How AWPB Stands Behind its Stamp," "AWPB Quality Control Lab Keeps Pace with Expanding Pressure-Treated Wood Industry" from The Bureau Reports, and "The AWPB Quality-Mark Program" available free from AWPB. AWPB standards, available for a fee, describe specific requirements for each product.

ORGANIZATION NAME: Applied Research Laboratories

ACRONYM: ARL

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1949.

ADDRESS: 5371 N.W. 161 St., Miami, FL 33014

TELEPHONE NUMBER: 305-624-4800

LOCATIONS OF TESTING FACILITIES: Miami, FL

PURPOSE: To provide safety and performance testing and product certification for consumer and commercial products.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1960

STANDARDS

USED: Uses UL, ANSI, ASTM, and other recognized standards.

CERTIFICATION

ACTIVITIES:

1. Requires initial and periodic product testing by ARL.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Requires proper labeling procedures.
4. Authorizes the use of its mark and issues approved product/manufacturer directories.

COMMENTS:

1. ARL is authorized by Japan to inspect electronics and electrical-appliance factories in the U.S. for purposes of applying the T-mark to their products.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS
CERTIFIED:

Air conditioning and refrigeration equipment and accessories, factory made air ducts and connectors, amusement machines, central cooling air conditioners, room air conditioners, flammable liquid dispensing equipment, fire door assemblies, hardwood veneered doors, door assemblies, electrical central air-heating equipment, electric fans, fan-coil and room fan-heaters, halon fire extinguishers, fireplace stoves, heat pumps, insulation, kitchen and vanity cabinets, laboratory equipment, liquid fuel-fired portable space heaters, air compressors, vacuum pumps, paint sprayers, paint mixers, paint pigment dispensers, motor operated appliances, water conditioners, remote control equipment, pool cleaners, barbeque ovens, water closets, bidets, laboratories, submersible pumps, boilers, relays, water treatment devices, panelboards, radio receivers, audio systems and accessories, roof coverings, structural sandwich panels, temperature indicating and regulating equipment, time-indicating and time-recording devices.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Varies by product, although ARL is the 2nd largest listing and labeling agency in the U.S.

PRODUCT

DIRECTORIES: "Applied Research Laboratories: Listed Products Directory" is available free from ARL.

PROGRAM

DOCUMENTATION

AVAILABLE: "You No Longer Need to Use UL for Product Certification," "Applied Research Laboratories," and news articles on ARL's Japanese inspection program are available free from ARL.

ORGANIZATION NAME: Architectural Woodwork Institute

ACRONYM: AWI

NATURE OF

ORGANIZATION: Trade association founded in 1953 with a membership of 700 and a staff of 6.

ADDRESS: 2310 S. Walter Reed Drive, Arlington, VA 22206

TELEPHONE NUMBER: 703-671-9100

LOCATIONS OF TESTING FACILITIES: N/A.

PURPOSE: To elevate industry standards, to conduct research on new and better materials and methods, and to publish technical data helpful to architects and specification writers in the design and use of architectural wood.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: AWI standards available from AWI.
Also uses ASTM, NFPA, NWMA, USDA and Federal specifications.

CERTIFICATION

ACTIVITIES: 1. Requires inspection by two qualified inspectors of the products with testing as deemed necessary.
2. Requires self-certification by the manufacturer.
3. Has a buyer/seller dispute settlement mechanism.
4. Authorizes the use of its mark.

COMMENTS: Has no formal appeals procedure.

AVAILABILITY OF SERVICES: Available to all U.S. manufacturers.

COST OF SERVICES: Based on actual costs incurred in the inspection/testing.

PRODUCTS

CERTIFIED: Lumber, plywood, particle board, trim, casework, flush paneling, high pressure laminate paneling, stile and rail paneling, closet and storage shelving, miscellaneous ornamental items, stairwork, handrails, exterior wood frames, wood sashes, screens, blinds, shutters, architectural flush doors, stile and rail doors, prefinished interior wood products.

PRODUCTS

DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Architectural Woodwork: Quality Standards, Guide
Specifications and Quality Certification Program" available upon
request.

ORGANIZATION NAME: The Associated Laboratories, Inc. operating the Dallas Laboratories

ACRONYM: ALI

NATURE OF ORGANIZATION: Independent testing laboratory.

ADDRESS: P.O. Box 15705, 1323 Wall Street, Dallas, TX 75215

TELEPHONE NUMBER: 214-565-0593

LOCATIONS OF TESTING FACILITIES: Dallas, TX.

CERTIFICATION FUNCTION(S): Program administrator and certifier.

CERTIFICATION PROGRAM(S) BEGUN: 1966 (sealed insulating glass), 1962 (aluminum doors and windows), 1982 (vinyl windows), 1966 (wood windows), 1975 (carpets), 1976 (manufactured housing windows and doors).

STANDARDS USED: Uses AAMA/ANSI standards available from AAMA or ANSI, ASTM standards available from ASTM, NWMA/ANSI standards available from NWMA or ANSI, HUD standards available from HUD or GPO.

CERTIFICATION ACTIVITIES:

1. Provides accreditation of manufacturers' laboratories for quality control testing.
2. Provides accreditation of commercial laboratories to conduct required initial and periodic testing.
3. Authorizes the use of the ALI symbol.
4. Has a formal appeals procedure.

COMMENTS:

1. Programs are accredited by ANSI.
2. Conducts its aluminum window and door and manufactured housing window and door programs in cooperation with HUD and AAMA, and its wood window and carpet programs in cooperation with HUD.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS CERTIFIED: Aluminum windows and doors, vinyl windows, wood doors, carpets, sealed insulating glass, manufactured housing windows and doors.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Aluminum windows and sliding doors (248 manufacturing facilities and 11 laboratories), vinyl windows (10 manufacturing facilities and 11 laboratories), wood windows (9 manufacturing facilities and 11 laboratories), carpets (38 manufacturing facilities), sealed insulating glass (210 manufacturers and 5 laboratories), manufactured housing windows and doors (61 manufacturing facilities and 11 laboratories).

PRODUCT

DIRECTORIES: "Directory of Certified Products" available for a fee from ALI.

PROGRAM

DOCUMENTATION

AVAILABLE: "ALI Certification Program for Aluminum Windows and Sliding Glass Doors," "ALI Certification Program for Vinyl Windows," "ALI Certification Program for Wood windows," "ALI Certification Program for Carpets," "ALI Certification Program for Sealed Insulating Glass," and "ALI Certification Program for Windows, Sliding Glass Doors, Entrance Doors and Egress Windows for Manufactured Housing" available free from ALI.

ORGANIZATION NAME: Association of Home Appliance Manufacturers

ACRONYM: AHAM

NATURE OF

ORGANIZATION: Trade association founded in 1966 with a membership of over 100 and a staff of 35.

ADDRESS: 20 North Wacker Drive, Chicago, IL 60606

TELEPHONE NUMBER: 312-984-5800

LOCATIONS OF TESTING FACILITIES: ETL in Cortland, NY.

PURPOSE: To represent the industry to the government and consumers; to provide market research and reporting of industry statistics; to develop standards and conduct certification programs; to conduct consumer education and handle consumer complaints; to assist appliance manufacturers conduct business in the world market.

CERTIFICATION

FUNCTION(S): Program sponsor.

CERTIFICATION

PROGRAM(S) BEGUN: Three programs (Room Air Conditioner, Refrigerator-Freezer, and Dehumidifier) were adopted when AHAM was formed in 1966. Humidifier program initiated in 1972.

STANDARDS

USED: ANSI/AHAM standards available from AHAM or ANSI.
Also uses DOE, UL, ASHRAE, and ANSI standards.

CERTIFICATION

ACTIVITIES:

1. Requires manufacturer's self-certification that products meet AHAM standard.
2. Requires verification of self-certification through testing of a fixed percentage of models by ETL Laboratory.
3. Has labeling requirements for all.
4. Requires an initial review of the manufacturer's testing facilities and quality control procedures by ETL.
5. Requires that if a challenge test, performed by a competing licensee, indicates that the licensee's product does not conform that the product in question be retested by ETL and appropriate action taken if nonconformance is substantiated.
6. Authorizes the use of its mark and publishes certified product directories.
7. Each program allows for testing of a second sample in case of initial finding of non-compliance on the basis of a single sample test.

AVAILABILITY OF SERVICES: Open to all models sold domestically and to exports which may be selectively certified by each licensee, except for room air conditioners which are open to models sold domestically only.

COST OF SERVICES: Based on size of production.

PRODUCTS

CERTIFIED: Room air-conditioners, refrigerator-freezers, dehumidifiers, humidifiers.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Dehumidifiers (22), refrigerator-freezers (53), Humidifiers (11), room air conditioners (26).

PRODUCT

DIRECTORIES: Directories are available for each certified product for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: Procedural Guides are available free for each product from AHAM.

ORGANIZATION NAME: Baking Industry Sanitation Standards Committee

ACRONYM: BISSC

NATURE OF

ORGANIZATION: Federation of national industry associations founded in 1949 with a membership of five associations.

ADDRESS: 521 Fifth Avenue, New York, NY 10017

TELEPHONE NUMBER: 212-687-9071

LOCATIONS OF TESTING FACILITIES: None

PURPOSE: To develop, publish and promote the use of voluntary sanitation standards covering the design and construction of machinery and equipment used in the baking industry.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1966

STANDARDS

USED: BISSC standards available from BISSC.
Also uses ANSI and NFPA standards.

CERTIFICATION

ACTIVITIES: 1. Requires manufacturer's self certification.
2. Authorizes the use of its mark and issues member listings.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to equipment manufacturers registered with BISSC.

COST OF SERVICES: No fee.

PRODUCTS
CERTIFIED:

Flour handling equipment; dough troughs; mechanical intermediate proofers; mechanical washers; cake depositors, fillers and slicing machines; horizontal and vertical mixers; conveyors; dividers, rounders and bun machines; bread moulders; prefabricated enclosures and air conditioning equipment for fermentation, proofing, cooling and retarding; ingredient water coolers and ice makers, coating equipment, cutting and slicing equipment; ovens; caster assemblies and wheels, doughnut equipment; pan greasers, continuous mix equipment; spindle mixers; liquid ferment equipment; dough equipment; depanners and delidders; weighing systems; racks, pan trucks and dollies; kettles and accessory equipment; liquid measuring systems; equipment handling and storing bulk edible fats; electric motors and accessory equipment; distribution cabinets and containers; pie make-up machinery; icing and glazing machines; coolers for bakery foods; portable ingredient containers; baking pans; wooden table tops; packaging equipment; particle size reduction equipment; pretzel equipment; sugar wafer, wafer and sugar rolled cone batter systems.

PRODUCT
DIRECTORIES:

A list of certified equipment manufacturers is available free upon request.

PROGRAM
DOCUMENTATION
AVAILABLE:

"BISSC Certification Aids in Improving Sanitation, Satisfying Government Regulations, Increasing Profitability" and "Sanitation Standards for the Design and Construction of Bakery Equipment and Machinery" available from BISSC.

ORGANIZATION NAME: Builders Hardware Manufacturers Association, Inc.

ACRONYM: BHMA

NATURE OF

ORGANIZATION: Trade association founded in 1926 with a membership of 64.

ADDRESS: 60 East 42nd Street, Room 511, New York, NY 10165

TELEPHONE NUMBER: 212-682-8142

LOCATIONS OF TESTING FACILITIES: ETL in Cortland, NY. Negotiation also underway with Underwriters Laboratories.

PURPOSE: To provide statistical services, to conduct a standardization program, and to offer educational services.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

ACTIVITIES:

1. Requires the selection and testing of samples by the laboratory.
2. Requires the witnessing of testing procedure at the factory by the laboratory.
3. Requires annual testing by the laboratory for locks, lock trim and door closers and periodic testing for cabinet hardware.
4. Requires complaint testing if the complaint appears to be substantiated.
5. Requires self-certification by the manufacturer.
6. Has a formal appeals procedure.
7. Authorizes the use of its mark and issues approved product directories.

COMMENTS: Currently working on a certification program for exit devices.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Cabinet hardware, locks and lock trim, door closers.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Locks and latches (15), Door Closers (6), Cabinet Hardware (3).

PRODUCT

DIRECTORIES: "Directories of Certified Locks and Latches, Certified Door Closers and Cabinet Hardware" available from BHMA for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: Certification Program Operational Manuals 101, 102 and 103 available from BHMA for a fee.

ORGANIZATION NAME: Building Officials and Code Administrators, International, Inc.

ACRONYM: BOCA

NATURE OF

ORGANIZATION: Service organization founded in 1915 with a membership of over 5000 and a staff of 35.

ADDRESS: 17926 South Halsted, Homewood, IL 60430

TELEPHONE NUMBER: 312-799-2300

PURPOSE: To promote the establishment of minimum, unbiased building codes and provide services for keeping them up to date.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: BOCA Basic National Codes which are available from BOCA.

CERTIFICATION

ACTIVITIES:

1. Requires submission and review of technical information on the product.
2. Requires testing and inspection by a qualified, independent laboratory accredited by BOCA.
3. Issues a preliminary draft report for applicant's comments and finalizes report after further review.
4. Distributes report and authorizes applicant to use report numbers or "See BOCA Research Report No. XXX" in connection with the product.
5. Requires annual confirmation from the manufacturer that the product has not changed.
6. Issues a periodic "Research Report Listing."
7. Has a formal appeals procedure.

COMMENTS: Evaluates and approves inspection agencies and testing laboratories.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees plus varying costs for printing and distribution of the report based on number of copies printed.

PRODUCTS
CERTIFIED:

Adhesives; air supported structures; automatic sliding doors; building system design; damper and door equipment and devices; decking - floor and roof; ducts; elevator doors and entrances; exterior doorways; exterior finishes; chimneys and fireplaces; factory-built houses; fasteners and fastening devices; fire communication systems; fire detection systems; fire doors; fire-resistive materials and systems; fire retardant treatment of lumber; foundation systems; gas logs; glass; HVAC systems and equipment; insulation; interior finishes; joists and beams - steel and wood; lumber grading; masonry and mortar -concrete; metal buildings and systems; plastics; plumbing materials; devices and systems; plumbing fixtures; roofing systems; sandwich panels (composite panels); sheathing systems; skylights; smoke and heat venting systems; swimming pools; columns - steel and wood; truss systems; unvented heating appliances; waterproofing membranes; manufactured homes.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: Over 480 products.

PRODUCT
DIRECTORIES: "Research Report Listing" available free to BOCA members and for a fee to the public.

PROGRAM
DOCUMENTATION
AVAILABLE: "Procedures Manual for the BOCA Evaluation Services" available free from BOCA.

ORGANIZATION NAME: California Lumber Inspection Service

ACRONYM: CLIS

NATURE OF

ORGANIZATION: A wood products quality control agency founded in 1957 with a membership of 151 and a staff of 7.

ADDRESS: P.O. Box 6989, San Jose, CA 95125

TELEPHONE NUMBER: 408-297-8071

LOCATIONS OF TESTING FACILITIES: San Jose, CA.

PURPOSE: To maintain wood product industrial standards.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1957

STANDARDS

USED: Uses PS 20-80 available from ALSC.
Also uses the Uniform Building Codex and the standards of the American Wood Preservers Bureau.

CERTIFICATION

ACTIVITIES: 1. Requires type testing and follow-up testing.
2. Requires initial and follow-up factory inspections including an evaluation of the manufacturer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Lumber, shakes and shingles, laminated timber, pressure treated wood, roof trusses using metal connector plates, machine stress rated lumber, in-factory prefabricated construction.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 151.

ORGANIZATION NAME: Cellulose Industry Standards Enforcement Program

ACRONYM: CISEP

NATURE OF

ORGANIZATION: Not-for-profit association founded in 1983.

ADDRESS: 610 Centre City Office, Dayton, OH 45402

TELEPHONE NUMBER: 513-222-1024

LOCATIONS OF TESTING FACILITIES: Use U.L. in Northbrook, IL.

CERTIFICATION

FUNCTION(S): Program overseer.

STANDARDS

USED: Uses CPSC, FTC, and GSA standards.

CERTIFICATION

ACTIVITIES:

1. Retains U.L. as a program administrator.
2. Requires manufacturer self-certification.
3. Requires initial testing/inspection by U.L. Tests results from other laboratories may be accepted by U.L.
4. Requires quarterly follow-up inspections and monthly testing by U.L. with samples collected from the marketplace. Testing may be conducted at the manufacturer's testing facilities if acceptable and if witnessed by U.L. staff.
5. Requires manufacturer to have product liability insurance.
6. Authorizes the use of its seal and publishes a member listing.
7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed initiation fee plus cost of testing/inspection plus a fixed fee per bag produced.

PRODUCTS

CERTIFIED: Cellulose insulation.

PRODUCT

DIRECTORIES: See U.L. Listing.

PROGRAM

DOCUMENTATION

AVAILABLE: "Code of Regulation" and "By-Laws" which are available free from CISEP.

ORGANIZATION NAME: Certified Ballast Manufacturers (An Incorporated Association)

ACRONYM: CBM

NATURE OF

ORGANIZATION: Trade association founded in 1949 with a present membership of 5 manufacturers.

ADDRESS: 772 Hanna, Cleveland, Ohio 44115

TELEPHONE NUMBER: 216-241-0711

LOCATIONS OF TESTING FACILITIES: ETL Testing Laboratories, Inc. in Cortland, NY.

PURPOSE: To conduct a certification program requiring independent laboratory testing and certification and to promote quality performance in fluorescent lighting.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1951

STANDARDS

USED: Uses ANSI standards for fluorescent lamp ballasts standards available from ANSI. Also uses related ANSI standards on lamp measurement methods, as well as UL standards for safety and the National Electrical Code.

CERTIFICATION

ACTIVITIES:

1. Requires initial testing by ETL.
2. Requires periodic inspection and testing of random samples selected by the ETL inspector.
3. Authorizes the use of the CBM mark and issues a monthly directory of listed ballasts.
4. Procedural Guide outlines appeals procedure.

AVAILABILITY OF SERVICES: Open to any manufacturer who wishes to qualify.

COST OF SERVICES: Related to sales volume with a minimum fee.

PRODUCTS

CERTIFIED: Fluorescent lamp ballasts.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 5 manufacturers, 12 plants.

PRODUCT

DIRECTORIES: Issues monthly directory of listed ballasts.

PROGRAM

DOCUMENTATION

AVAILABLE: "Facts about Ballasts for Fluorescent Lamps ... It Will Pay You to Know" available free from CBM. Also Procedural Guide B10, available to interested manufacturers.

ORGANIZATION NAME: Cooling Tower Institute

ACRONYM: CTI

NATURE OF

ORGANIZATION: Technical society founded in 1950 with 275 members and a staff of 2.

ADDRESS: 19627 IH-45 North, Suite 230, Spring, TX 73388

TELEPHONE NUMBER: 713-350-1995

LOCATIONS OF TESTING FACILITIES: Field testing and at customers facilities.

PURPOSE: To improve technology, design, and performance of water conservation apparatus.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1962

STANDARDS

USED: Uses CTI standards available from CTI.

CERTIFICATION

ACTIVITIES:

1. Requires the submittal and review of product specifications and design details.
2. Requires field or laboratory testing of towers by CTI.
3. Conducts complaint testing when complaint appears to be valid.
4. Provides certificate and authorizes the use of its mark.
5. Systematic reverification will be described in new issue of STD-201 planned for 1985.
6. Procedure for handling violations is described in CTI Standard (STD-201).

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on and in line with costs of cooling tower testing.
Rates published in CTI Bulletin PRM-1-2 available from CTI.

PRODUCTS

CERTIFIED: Commercial water-cooling towers.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 2 active.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION

AVAILABLE: "Certification Standard for Commercial Water-Cooling Towers"
 STD-211 available for a fee from CTI.

ORGANIZATION NAME: Council of American Building Officials/National Evaluation Service

ACRONYM: CABO/NES

NATURE OF

ORGANIZATION: CABO is a consortium of the three model organizations: Building Officials and Code Administrators International (BOCA), International Conference of Building Officials (ICBO) and the Southern Building Code Congress International (SBCCI) whose combined membership is more than 10,000 cities, states and towns.

ADDRESS: 5205 Leesburg Pike, Falls Church, VA 22041

TELEPHONE NUMBER: 703-931-4533

LOCATIONS OF TESTING FACILITIES: Evaluates testing facilities throughout the U.S.

PURPOSE: To represent building officials at all levels of government and to promote new product acceptance, uniform regulations, and adoption of model codes.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1975

STANDARDS

USED: Uses BOCA, ICBO, and SBCCI model codes which are available from those organizations.

CERTIFICATION

- ACTIVITIES:
1. Evaluates, for listing purposes, testing facilities to ascertain whether they have necessary personnel and equipment to perform tests in accordance with applicable standards contained in the model building codes.
 2. Requires inspection and/or testing of the product by a listed agency.
 3. Issues a draft report for the applicant's comments and finalizes report after further review.
 4. Distributes report and authorizes applicant to use "See National Evaluation Service Report No. XXX For allowable values and/or conditions of use concerning material presented in this document" in connection with this product.
 5. Requires annual confirmation that the product has not changed.
 6. Issues periodic research report listings.
 7. Has a formal appeals procedure.

COMMENTS: National Evaluation Reports (NER) are recognized as being equivalent to BOCA, ICBO and SBCCI reports.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Basic fee plus varying costs for additional items and branches to be listed.

PRODUCTS

CERTIFIED: Building products, systems, materials, and organizations are evaluated.

ORGANIZATION NAME: Decorative Laminate Products Association

ACRONYM: DLPA

NATURE OF

ORGANIZATION: Nonprofit trade association and independent testing laboratory founded in 1953 with a membership of 140.

ADDRESS: 120 W. Second St., Dayton, OH 45402

TELEPHONE NUMBER: 513-228-1041

LOCATIONS OF TESTING FACILITIES: Dayton, OH.

PURPOSE: To help promote the use of high pressure decorative laminates.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1975

STANDARDS

USED: Uses ANSI A.161.2-1979 which is available from ANSI.

CERTIFICATION

ACTIVITIES:

1. Requires product testing and factory inspection by DLPA.
2. Publishes approved product/manufacturers directories.
3. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Costs are individually determined.

PRODUCTS

CERTIFIED: Countertops.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 22.

PRODUCT

DIRECTORIES: "Top Quality Countertop Manufacturer," which is a list of certified members available free from DLPA.

PROGRAM

DOCUMENTATION

AVAILABLE: Also publishes a membership directory, "DLPA Membership Directory," which is available from DLPA for a fee.

ORGANIZATION NAME: Dried Fruit Association of California

ACRONYM: DFA of California

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1908 with a membership of 41 and a staff of 15.

ADDRESS: P.O. Box 270A, Santa Clara, CA 95052

TELEPHONE NUMBER: 408-727-9302

LOCATIONS OF TESTING FACILITIES: Fresno, CA.

PURPOSE: To promote better understanding between growers and processors of dried fruits and tree nuts. To encourage sound trade practices which will benefit the producer, the processor, the distributor, and the consumer.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1908

STANDARDS

USED: DFA standards available from DFA.

CERTIFICATION

- ACTIVITIES:
1. Requires type and periodic product testing by DFA.
 2. Requires initial and periodic factory inspections and evaluations of a producer's Q.A. system.
 3. Issues certificates of approval and authorizes the use of its mark.
 4. Publishes approved product/manufacturer directories.
 5. Has a formal appeals procedure.

COMMENTS: DFA certifies each product prior to shipment.

AVAILABILITY OF SERVICES: Open to all dried fruit and tree nut processors in California.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Dried fruits, tree nuts.

PRODUCT

DIRECTORIES: A DFA brochure listing producers is available free from DFA.

PROGRAM

DOCUMENTATION

AVAILABLE: For information of DFA's special projects contact DFA.

ORGANIZATION NAME: Electronic Components Certification Board

ACRONYM: ECCB

NATURE OF

ORGANIZATION: U.S. National Authorized Institution for the IECQ System which is administratively supported by the Electronic Industries Association founded in 1983 with a staff of 15.

ADDRESS: 2001 Eye Street, NW, Washington, DC 20006

TELEPHONE NUMBER: 202-457-4962

LOCATIONS OF TESTING FACILITIES: Underwriters Laboratories in Melville, NY.

PURPOSE: To encourage and conduct a program of testing and certification of electronic products and components so as to aid in the acceptance of those products by the public and specifically consumers of such products.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1983

STANDARDS

USED: Uses IEC standards available from ANSI.

CERTIFICATION

- ACTIVITIES:
1. Requires factory inspection by UL to approve the manufacturer's facilities.
 2. Requires initial product qualification testing under the surveillance of UL.
 3. Approves independent laboratories or manufacturers' testing facilities after inspection by UL.
 4. Requires periodic inspection, Q.A. system review, and audit testing by UL.
 5. Requires traceability of testing laboratories' calibration services to NBS.
 6. Requires that distributors also be approved.
 7. Authorizes the use of the IECQ mark.
 8. Issues certificates of approval.
 9. IECQ issues an approved products directory.
 10. Has a formal appeals procedure.

COMMENTS: UL serves as the National Supervising Inspectorate, while EIA serves as the National Standards Organization for the IECQ.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule with some costs being individually determined.

PRODUCTS

CERTIFIED: Capacitors, resistors, switches, inductors, semiconductors and other electronic components.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 12.

PRODUCT

DIRECTORIES: IECQ Publication QC 001005, "Qualified Products List" available for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: "The IECQ System," "Summary of Format and Content of IECQ-System Specification," "Join the Quality Assessment System for Electronic Components (IECQ)," "Guide for the Preparation of Specification Using IECQ System Format," "IECQ Specification Base," "Proceeding of IECQ System Educational Seminars on Quality Certification for Electronic Components (IECQ)" are available free or for a fee for larger documents.

ORGANIZATION NAME: ETL Testing Laboratories, Inc.

ACRONYM: ETL

NATURE OF

ORGANIZATION: An employee-owned, independent testing laboratory founded in 1896.

ADDRESS: Industrial Park, Cortland, NY 13045

TELEPHONE NUMBER: 607-753-6711

LOCATIONS OF TESTING FACILITIES: Cortland, NY; Norcross, Ga; and San Francisco, CA.

PURPOSE: To provide an independent source of testing to determine the quality, safety and performance of products and to verify conformance to specifications and provide third party endorsements.

CERTIFICATION

FUNCTION(S): Serves as program administrator and certifier for some products and as a certifier only for others.

STANDARDS

USED: Uses ARI, AHAM, ASTM, BHMA, GAMA, ANSI, UL, IEC, HUD, DOE, DOT, CPSC, and other standards and Federal Specifications depending upon product.

CERTIFICATION

ACTIVITIES:

1. Requires initial testing and inplant inspection.
2. Requires follow up inspection and random testing.
3. Offers prototype evaluation.
4. Offers on-site testing where laboratory testing is not feasible, but this cannot lead to labeling/listing.
5. Serves as the testing and inspection facility for IGCC's, AHAM's, VBP's, BHMA's, HECC's, ARI's, GAMA's, and HUD's certification programs.
6. Authorizes the use of the ETL mark and issues approved product directories.

COMMENTS: 1. Participates in no fewer than 34 certification programs.
2. Does not directly operate a formal appeals mechanism.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Depends on the nature and number of tests/inspections required.

PRODUCTS
CERTIFIED:

Refrigeration units, central cooling air conditioners, laboratory equipment, electrical industrial control equipment, portable electric lamps, electric medical and dental equipment, room air conditioners, electric lighting fixtures, heat pumps, oil fired central furnaces, commercial-industrial gas-fired heating equipment, electric signs and electronic controls, electric motor operated appliances, electric heating pads, electric fans and central air handling units, apparatus for use in hazardous locations, office appliances and business equipment, fluorescent lamps, x-ray equipment, electric central air heating equipment, temperature indicating and regulating equipment, direct-fired makeup air heaters, fan-coil and fan-heater units, portable sun/heat lamps, household electric ranges, television receivers and video products, electrically operated valves, door operators and systems, solid fuel type room heaters, fireplace stoves.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: 71 companies.

PRODUCT

DIRECTORIES: "Directory of ETL Listed Products" is available from ETL. Complimentary copies are available to listees, government, professional and trade associations.

PROGRAM
DOCUMENTATION

AVAILABLE: "ETL Mechanical Division" (two brochures), "ETL Safety Division" (two brochures) "ETL Design Services Division," and "Look What ETL Stands Behind" are available free from ETL.

ORGANIZATION NAME: Facing Tile Institute

ACRONYM: FTI

NATURE OF

ORGANIZATION: Trade association founded in 1934 with a membership of approximately 3.

ADDRESS: C/O P.O. Box 8880, Canton, OH 44711

TELEPHONE NUMBER: 216-488-1211

LOCATIONS OF TESTING FACILITIES: Uses various testing laboratories.

PURPOSE: To set minimum standards and to generally promote the use of facing tile.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses FTI standards available from FTI.
Also uses ASTM C-126.

CERTIFICATION

ACTIVITIES: 1. Approves testing laboratories.
2. Requires periodic testing by an approved laboratory.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

PRODUCTS

CERTIFIED: Tile, glazed brick.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 3.

ORGANIZATION NAME: Factory Mutual Research Corporation

ACRONYM: FM also FMRC

NATURE OF

ORGANIZATION: Non-profit testing and research organization incorporated in 1941.

ADDRESS: 1151 Boston-Providence Turnpike, Norwood, Massachusetts 02062

TELEPHONE NUMBER: 617-762-4300

LOCATIONS OF TESTING FACILITIES: Norwood, MA and West Glocester, RI.

PURPOSE: To minimize industrial property damage through research, standards redevelopment and product approval activities.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1907

STANDARDS

USED: Uses FM approval standards plus numerous ANSI, ASME, ASTM, IEEE and other standards.

CERTIFICATION

ACTIVITIES: 1. Requires product testing at FM facilities or witnessed by an FM on-site employee.
2. Requires inspection of production and quality control facilities.
3. Requires periodic reinspection.
4. Authorizes the use of its mark and issues approved product lists.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs incurred in inspection/testing.

PRODUCTS

CERTIFIED: Automatic sprinkler systems, hydrants and hoses, fire pumps and tanks, portable extinguishers, fixed extinguishing systems, flammable liquid equipment, flammable gas equipment, fuel and combustion controls, combustion safeguards, gas measuring instruments, oil safety shutoff valves, gas safety shutoff valves, industrial trucks, electrical equipment, hazardous location electrical equipment, electrical signaling, household protection, building materials and construction.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 1600.

PRODUCT

DIRECTORIES: "Approval Guide" and "Specification Testing Products Guide" are available for a fee from FMRC.

PROGRAM

DOCUMENTATION

AVAILABLE: "Factory Mutual Approval Services," approval standards and "Program Manual: Facilities and Procedures Audit" are available free from FMRC.

ORGANIZATION NAME: Gas Appliance Manufacturers Association, Inc.

ACRONYM: GAMA

NATURE OF

ORGANIZATION: Trade association founded in 1935 with a membership of over 223 and a staff of 19.

ADDRESS: 1901 North Moore Street, P.O. Box 9245, Arlington, VA 22209

TELEPHONE NUMBER: 703-525-9565

LOCATIONS OF TESTING FACILITIES: ETL Testing Laboratories, Inc., in Cortland, NY.

PURPOSE: To represent its members before legislative bodies, freight-rate making bodies and consumer groups.

CERTIFICATION

FUNCTION(S): Program Sponsor: GAMA
Program administrator & Certifier: ETL Testing Laboratories, Inc.

CERTIFICATION

PROGRAM(S) BEGUN: 1982

STANDARDS

USED: Uses a heat pump type water heater test procedure which is available from GAMA.
Also uses DOE standards available from DOE.

CERTIFICATION

ACTIVITIES:

1. Requires periodic random selection & testing by ETL.
2. Requires self-certification by the manufacturer that he has tested and rated to the applicable efficiency standards.
3. Requires retesting if another participant in the program has evidence that the model was not correctly rated.
4. Authorizes use of the GAMA symbol and publishes product efficiency listings.

AVAILABILITY OF SERVICES: Open to all manufacturers of residential gas & oil central furnaces & boilers & gas, oil, & electric including heat pump type heaters.

COST OF SERVICES: Fees based on production.

PRODUCTS

CERTIFIED: Gas central furnaces; oil central furnaces; gas and oil boilers, gas, electric, and oil water heaters; heat pump type water heaters.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 37 furnace manufacturers & brand names;
20 boiler manufacturers & brand names;
36 water heater manufacturers & brand names.

PRODUCT

DIRECTORIES: "Consumers' Directory of Certified Furnace and Boiler Efficiency Ratings" and "Directory of Certified Water Heater Efficiency Ratings" available free to participants and for a fee to the public from GAMA.

PROGRAM

DOCUMENTATION

AVAILABLE: "Procedural Guide for GAMA Furnace, Boiler, and Water Heater Efficiency Certification Program" available free from GAMA. See also DOE applicable Federal Register notices.

ORGANIZATION NAME: Good Housekeeping Magazine

NATURE OF

ORGANIZATION: Magazine, which since 1885 has offered a consumer protection service.

ADDRESS: 959 8th Ave., New York, NY 10019

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

ACTIVITIES: 1. A limited warranty is offered by the magazine to repair or replace the product if it is found defective within four years for the date of sale.
2. Authorizes the use of its seal.

COMMENTS: Advertising copy for the products approved by Good Housekeeping is also reviewed.

PRODUCTS

CERTIFIED: Consumer products, excluding insurance, realty, automotive and camping vehicles, public transportation, travel facilities, catalogues and merchandise portfolios, "Shopping by Mail" items, premiums, advertisements for schools, hotels, summer camps and similar institutions, and institutional advertisements.

PROGRAM

DOCUMENTATION

AVAILABLE: A description of the warranty and program is published in the Good Housekeeping magazine.

ORGANIZATION NAME: Arnold Greene Testing Laboratories
Division of Conam Inspection - A Unit of Qualcorp

ACRONYM: AGTL

NATURE OF
ORGANIZATION: An independent testing laboratory founded in 1947 with a staff
of 80.

ADDRESS: 6 Huron Drive, Natick, MA 01760

TELEPHONE NUMBER: 617-653-5950

LOCATIONS OF TESTING FACILITIES: 6 Huron Dr., Natick, MA; 2 Millbury St.,
Auburn, MA; 784 Bay St., Springfield, MA.

PURPOSE: To test materials and products for safety.

CERTIFICATION
FUNCTION(S): Administrator and certifier.

CERTIFICATION
ACTIVITIES:

1. Requires type and follow up testing.
2. Requires initial and periodic follow up factory inspections including evaluations of the manufacturer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Furnaces, boilers, wood stoves, coal stoves, fireplace inserts, factory built fireplaces, chimney liners, prefabricated chimneys, kerosene heaters, gas heaters, multifuel furnaces and boilers, heat exchangers, wall and floor protectors, mattresses.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: 115.

PRODUCT

DIRECTORIES: "Directory of Furnaces and Boilers" and "Directory of Solid Fuel Burning Appliances" are available free from AGTL.

ORGANIZATION NAME: Hardwood Plywood Manufacturers Association

ACRONYM: HPMA

NATURE OF

ORGANIZATION: Trade association founded in 1921 with a membership of over 160 and an office and lab staff of 12 and 12 field staff throughout the U.S.

ADDRESS: 1825 Michael Faraday Drive, P.O. Box 2789, Reston, VA 22090

TELEPHONE NUMBER: 703-435-2900

LOCATIONS OF TESTING FACILITIES: Reston, VA.

PURPOSE: To provide public relations, advertising, marketing, and technical services to its members; to represent industry in legislative matters and to keep the industry informed on tariff and trade matters.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses HPMA standards available from HPMA.
Also uses ANSI, ASTM, DOT, NBS, NWMA, FAR and NFPA standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial product testing and plant inspection for gluebond, flamespread, structural and formaldehyde emissions.
2. Requires periodic inspection and testing by HPMA personnel.
3. Authorizes the use of its mark and publishes approved product directories/member listings.

COMMENTS: 1. Does some smoke and fire testing under contract.
2. Has a "Formaldehyde Emission Property Inspection and Disclosure Program".
3. Does not have a formal appeals procedures.

AVAILABILITY OF SERVICES: Open to all HPMA members and non-member hardwood plywood manufacturers and prefinishers of hardwood plywood.

COST OF SERVICES: Based on actual costs incurred by HPMA.

PRODUCTS

CERTIFIED: Cut-to-size hardwood plywood panels, laminated hardwood plywood flooring, prefinished hardwood plywood panels, stock hardwood plywood panels, hardwood plywood specialty items.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 71 mills.

PRODUCT

DIRECTORIES: "Where to Buy Hardwood Plywood & Veneer" available from HPMA for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: "Hardwood Plywood Manufacturers Association Testing and Inspection and Listed Product Manual - 1984" available from HPMA for a fee. "HPMA Your Partner in Progress" available free from HPMA.

ORGANIZATION NAME: The Hartford Steam Boiler Inspection & Insurance Co.

ACRONYM: HSB

NATURE OF

ORGANIZATION: Authorized inspection agency founded in 1866 with a staff of 1957.

ADDRESS: One State Street, Hartford, CT 06102

TELEPHONE NUMBER: 1-800-243-0090 or in CT call 203-722-1866

LOCATIONS OF TESTING FACILITIES: N/A.

PURPOSE: To inspect boilers, piping, fired and unfired pressure vessels to ensure compliance with ASME Code, National Board Inspection Code, and the American Petroleum Institute Code during fabrication, construction and installation and during repair, alteration or modification.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: Early 1900's.

STANDARDS

USED: Uses the ASME, NBIC, AWS, API, ANS, foreign, government and manufacturer standards.

CERTIFICATION

ACTIVITIES:

1. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
2. Signs documents stating compliance with codes and reviews design drawings and calculations.

COMMENTS:

1. Is the largest provider of Authorized Inspection Agency services required by the ASME Boiler & Pressure Vessel Code:
2. Has over 700 inspectors in U.S.A., Europe, South America and the Far East.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Boilers, pressure vessels, piping.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: Over 500

PROGRAM
DOCUMENTATION
AVAILABLE:

"Quality Assurance/Expediting Service," "Quality Assurance:
Expediting Service: Technical Services," and "Quality
Assurance/Expediting Service: A Better Track to Run On" are
available free from the company.

ORGANIZATION NAME: Home Ventilating Institute

ACRONYM: HVI

NATURE OF

ORGANIZATION: Trade organization founded in 1955 with a membership of 24.

ADDRESS: 30 West University Drive, Arlington Heights, IL 60004

TELEPHONE NUMBER: 312-394-0150

LOCATIONS OF TESTING FACILITIES: Texas A&M University's Texas Engineering
Experiment Station in College Station, TX
(TEES).

PURPOSE: To provide a voluntary organization for manufacturer
self-regulation.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses HVI standard available from HVI.
Also uses AMCA and ASHRAE standards.

CERTIFICATION

ACTIVITIES:

1. Requires testing by TEES, and the submittal of an application which includes the TEES report.
2. Requires product listing by UL if applicable.
3. Has a challenge procedure requiring retesting if a documented complaint is made by a member company against another member.
4. Requires periodic retesting.
5. Authorizes the use of the HVI trademark and issues approved product directories/member listings.

COMMENTS: Does not have a formal appeals mechanism.

AVAILABILITY OF SERVICES: Open to all members.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Exhaust fans; exterior mount room ventilators; power-packs for range hoods; powered, attic space ventilators; range hoods; whole house ventilating fans.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 24 companies.

PRODUCT

DIRECTORIES: "Certified Home Ventilating Products Directory" available for a fee from HVI.

PROGRAM

DOCUMENTATION

AVAILABLE: "Product Certification Procedure," "Verification Procedure," and "Air Flow Test Standards" available for a fee from HVI.

ORGANIZATION NAME: The Hydronics Institute (formerly the Institute of Boiler and Radiator Manufacturers)

ACRONYM: HI or I=B=R

NATURE OF

ORGANIZATION: Trade association founded in 1915 with a membership of 50 companies and a staff of 11.

ADDRESS: 35 Russo Place, P.O. Box 218, Berkeley Heights, NJ 07922

TELEPHONE NUMBER: 201-464-8200

LOCATIONS OF TESTING FACILITIES: Berkeley Heights, NJ.

PURPOSE: To serve as a trade association for the boiler and radiator manufacturers.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1940 - Manufacturer testing only - Boilers.
1952 - Radiators.
1977 - Institute testing - Boilers.

STANDARDS

USED: Uses HI standards available from HI.
Also uses DOE standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial type testing by HI or under HI supervision.
2. Requires follow-up testing.
3. Authorizes the use of its mark and issues certificates of approval.
4. Publishes approved product directories.

COMMENTS: 1. Does not have a formal appeals procedure.
2. Boiler testing is done at the manufacturer's laboratory using Institute instrumentation and Institute personnel. Radiation testing is done at the I=B=R Laboratory in the HI building.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on a fixed fee schedule.

PRODUCTS

CERTIFIED: Steam boilers, hot water boilers, baseboard radiators, finned tube radiators.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 45.

PRODUCT

DIRECTORIES: "Boiler Rating and Efficiencies, Oct. 15, 1983" and "I=B=R Ratings for Baseboard Radiation and Finned Tube (Commercial) Radiation-Dec. 1, 1983" are available from HI for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE:

1. "Testing and Rating Standard for Heating Boilers" 4th Edition, January 1982, as amended November 30, 1984.
2. "Testing and Rating Code for Baseboard Radiation" 6th Edition, Feb. 1984.
3. "I=B=R Testing and Rating Code for Finned Tube (Commercial) Radiation" 4th Edition, July 1966.

ORGANIZATION NAME: Industrial Testing Laboratories, Inc.

ACRONYM: ITL

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1923 with a present staff of 23.

ADDRESS: 2350 South Seventh Street, St. Louis, Missouri 63104

TELEPHONE NUMBER: 314-771-7111

LOCATIONS OF TESTING FACILITIES: St. Louis, MO.

PURPOSE: To test analyze, measure, and evaluate materials and products, and to provided consultation.

CERTIFICATION

FUNCTION(S): Certifier under H.U.D., IAPMO, CMI, and NKCA programs.

CERTIFICATION

PROGRAM(S) BEGUN: 1970

STANDARDS

USED: Uses ASTM and ANSI standards which are available from ASTM and ANSI.
Also uses applicable Federal standards.

CERTIFICATION

ACTIVITIES: 1. Conducts all type testing, follow up testing, factory inspections and evaluations of the producer's Q.A. system as required by H.U.D., IAPMO, CMI, and NKCA.
2. Authorizes the use of its own mark.
3. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Lavatories, bathtubs, shower receptors & surrounds, wall and base kitchen cabinets, structural adhesives.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 35.

PROGRAM

DOCUMENTATION

AVAILABLE: A faculty resume brochure is available, though there is no specific literature on the certification program.

ORGANIZATION NAME: Insulated Steel Door Systems Institute

ACRONYM: ISDSI

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1975 with a membership of 6 and a staff of 2-3.

ADDRESS: 712 Lakewood Center North, 14600 Detroit Ave., Cleveland, OH 44107

TELEPHONE NUMBER: 216-226-7700

CERTIFICATION

ACTIVITIES: 1. ISDSI is in the process of developing a certification program for insulated steel door systems.

PRODUCTS

CERTIFIED: ISDSI expects to certify insulated steel door systems.

PROGRAM

DOCUMENTATION

AVAILABLE: Contact ISDSI at the above address.

ORGANIZATIONAL NAME: Insulating Glass Certification Council

ACRONYM: IGCC

NATURE OF

ORGANIZATION: Nonprofit industry organization founded in 1977.

ADDRESS: Industrial Park, Route 11, P.O. Box 2040, Cortland, NY 13045-2040

TELEPHONE NUMBER: 607-753-6711

LOCATIONS OF TESTING FACILITIES: Architectural Testing, Inc. in York, PA; National Certified Testing Laboratories in York, PA; Jim Spetz Testing Laboratory in Wickliffe, OH; and ETL Testing Laboratories (for prototype testing only) in Cortland, NY.

PURPOSE: To sponsor and direct a program of periodic accelerated laboratory testing and unannounced plant inspections to insure continuing product performance through specified standards.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1977

STANDARDS

USED: Uses ASTM standards available from ASTM.

CERTIFICATION

ACTIVITIES:

1. Requires manufacturers to present a passing prototype test from an approved IGCC testing laboratory.
2. Approves laboratories to participate in the certification program.
3. ETL, as administrator of the program, inspects laboratories and checks their equipment and inspects the manufacturer's production and fabrication procedures.
4. Requires periodic inspections and product sampling by the administrator who ships the samples to an approved laboratory for testing.
5. Has a challenge procedure which requires that a manufacturer's product be retested if the complaint appears to be supported.
6. Has a buyer/seller dispute settlement procedure.
7. Has a formal appeals procedure.
8. Authorizes the use of its mark and issues approved product/manufacturer directories.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed annual licensing fee for each item certified plus testing fees.

PRODUCTS

CERTIFIED: Sealed insulating glass.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 75 firms as of 1/1/85.

PRODUCT

DIRECTORIES: "Certified Products Directory: Sealed Insulating Glass" available for a fee from IGCC.

PROGRAM

DOCUMENTATION

AVAILABLE: See Product Directories.

ORGANIZATION NAME: International Association of Plumbing and Mechanical Officials

ACRONYM: IAPMO

NATURE OF ORGANIZATION: A nonprofit association founded in 1926 with a staff of 5.

ADDRESS: 5032 Alhambra Ave., Los Angeles, CA 90032

TELEPHONE NUMBER: 213-223-1471

LOCATIONS OF TESTING FACILITIES: N/A.

PURPOSE: To publish the Uniform Plumbing Code; Uniform Solar Energy Code; Uniform Swimming Pool, Spa and Hot Tub Code; and related directories and to assist inspectors in achieving uniformity in plumbing and mechanical inspections.

CERTIFICATION
FUNCTION(S): Program administrator.

CERTIFICATION
PROGRAM(S) BEGUN: 1938

STANDARDS
USED: Uses all nationally recognized standards which are relevant to the product.

CERTIFICATION
ACTIVITIES:

1. Approves testing agencies.
2. Requires type testing by an approved agency.
3. Requires initial and periodic factory inspection by IAPMO.
4. Issues certificates of approval.
5. Authorizes the use of its mark and publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS
CERTIFIED:

Solar energy products, swimming pools, spas, hot tubs, mobile home and recreational vehicle plumbing products, clothes washers, dishwashers, ice makers, refrigerators, refrigerator freezers, washer-dryers, waste disposers, water conditioning tanks, water heating devices, water purification systems, bathtubs, bidets, drinking fountains, lavatories, medical/dental units, service sinks, shampoo basins, shower receptors, shower units, water closets, pipe, fittings, valves, miscellaneous plumbing items, filters, chemical feeders, flowmeters, pumps, aerators.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: N/A.

PRODUCT
DIRECTORIES:

"Directory of Plumbing Research Recommendations" and a "Directory of Trailer Research Recommendations" are available from IAPMO for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE:

Application forms and procedures and a listing of approved testing agencies are available free from IAPMO.

ORGANIZATION NAME: International Cargo Gear Bureau, Inc.

ACRONYM: ICGB/INCARGEAR

NATURE OF

ORGANIZATION: Nonprofit corporation founded in 1954 (reincorporated in 1966) with a staff of 16.

ADDRESS: 17 Battery Place, New York, NY 10004 (headquarters)

TELEPHONE NUMBER: 212-425-2750

LOCATIONS OF TESTING FACILITIES: Has representatives worldwide.

PURPOSE: To provide certification services for materials handling equipment ashore and afloat.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1954

STANDARDS

USED: Uses International, national and local standards.

CERTIFICATION

ACTIVITIES:

1. Requires inspection by ICGB personnel and the witnessing of testing by ICGB personnel.
2. Requires the submission and review by ICGB of detailed design and specification information.
3. Requires periodic re-certification.
4. Issues certificates of approval.
5. Issues Cargo Gear Registers which note certification status at location of the equipment that has been certified.
6. Requires equipment to be marked for identification purposes.

COMMENTS: Services are provided in accordance with U.S. Coast Guard and Dept. of Labor standards. Does not have a formal appeals system.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Materials handling equipment ashore & afloat (including derricks, cranes, containers, and road vehicles).

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Thousands.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE:

"ICGB-100 List of Representatives," "Summary of Services Available for Cargo Containers and Road Vehicles," "Summary of Services Available for Material Handling Devices Aboard Mobile Offshore Drilling Units (MODUs)," "Summary of Services Available for Shipboard Cargo Gear," "Summary of Domestic Services Available for Shore-based Material Handling Devices," "Reference Manual for Cargo Gear Certification," "Burtoning Calculation Guide for Light Lift Coplaner Derricks (Union Purchase)," and "Schedule of Fees and General Terms and Conditions for ICGB Services" are available from ICGB.

ORGANIZATION NAME: International Fabricare Institute

ACRONYM: IFABI

ORGANIZATION: Trade association founded in 1972 and composed of over 10,000 members with a staff of 48.

ADDRESS: 12251 Tech Road, Silver Spring, MD 20904

TELEPHONE NUMBER: 301-622-1900

LOCATIONS OF TESTING FACILITIES: Silver Spring, MD.

PURPOSE: To provide washability and drycleanability testing for manufacturers of fabrics and related products; to conduct basic research on drycleaning and laundry for members; to conduct resident courses and sponsor clinics and seminars on drycleaning and laundering.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1972

STANDARDS

USED: IFABI Standards, available from IFABI.
Also uses ASTM, AATCC, Military, Federal and ANSI standards.

CERTIFICATION

ACTIVITIES: 1. Provides initial product testing of fabrics and related products for washability and drycleanability only.
2. Provides a letter of approval and authorizes the use of their seal.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members of IFABI.

PRODUCTS

CERTIFIED: Fabrics, garments, and textile-related products/accessories.

PRODUCT

DIRECTORIES: None.

ORGANIZATION NAME: Juvenile Products Manufacturers Association, Inc.

ACRONYM: JPMA

NATURE OF

ORGANIZATION: Trade association founded in 1962 with over 100 members.

ADDRESS: 66 East Main Street, Moorestown, NJ 08057

TELEPHONE NUMBER: 609-234-9155

LOCATIONS OF TESTING FACILITIES: Detroit Testing Laboratory in Oak Park, MI.

PURPOSE: To conduct trade promotion activities, trade research and surveys, and a certification program as well as to provide statistical information on the industry.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses ASTM standards available from ASTM.

CERTIFICATION

ACTIVITIES:

1. Requires initial and periodic product testing by an independent laboratory approved by JPMA.
2. Authorizes the use of its label and issues approved product/manufacturer listings
3. Has a formal appeals procedure.

COMMENT: Program has been independently validated in accordance with ANSI Z34.1 Standard for a Certification Program with Third Party Validation.

AVAILABILITY OF SERVICES: Open to all.

PRODUCTS

CERTIFIED: High chairs, play yards, carriages, strollers.

PRODUCT

DIRECTORIES: "Directory of Certified Products" is available free from JPMA.

PROGRAM

DOCUMENTATION

AVAILABLE: A procedural guide is available for a fee.

ORGANIZATION NAME: Maple Flooring Manufacturers Association

ACRONYM: MFMA

NATURE OF

ORGANIZATION: Trade organization founded in 1897 with a membership of 50-75 companies.

ADDRESS: 8600 W. Bryn Mawr Ave., Suite 720-South, Chicago, IL 60631

TELEPHONE NUMBER: 312-693-0990

PURPOSE: To serve as an authoritative source of technical information about hard maple flooring and to establish grades, standards, guide specifications on hard maple flooring and recommendations on the installation, finishing and care of hardwood maple flooring.

STANDARDS

USED: Uses MFMA standards which are available from MFMA.

CERTIFICATION

ACTIVITIES:

1. Requires frequent mill inspections by third party inspectors.
2. Has established rules governing reinspection based upon a complaint.
3. Authorizes the use of its mark and maintains a list of MFMA approved floor finish products.

PRODUCTS

INSPECTED: Hard maple flooring.

PROGRAM

DOCUMENTATION

AVAILABLE: "Spec Data 9d: Wood Flooring" and "Grading Rules for Hard Maple" are available from MFMA.

ORGANIZATION NAME: Metallurgical Engineers of Atlanta, Inc.

ACRONYM: MEA

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1964 with a staff of 8.

ADDRESS: 3480 C-1 Oakcliff Road, Atlanta, GA 30340

TELEPHONE NUMBER: 404-458-9034

LOCATIONS OF TESTING FACILITIES: Atlanta, GA.

CERTIFICATION

FUNCTION(S): Certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1975

STANDARDS

USED: Uses UM44c which is available from H.U.D.

CERTIFICATION

ACTIVITIES: 1. Certifies carpet under the H.U.D. carpet certification program.
2. Requirements are those specified by H.U.D.
3. Authorizes the use of its mark and publishes an approved product/manufacturer directory.
4. Has a formal appeals procedure.

COMMENTS: Recognized by H.U.D.

AVAILABILITY OF SERVICES: Available to members only.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Carpet.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 20.

PRODUCT

DIRECTORIES: "Directory of Certified Carpet" is available free to members and for a fee to others from MEA.

ORGANIZATION NAME: NAHB Research Foundation, Inc.

ACRONYM: NAHBRF

NATURE OF

ORGANIZATION: Subsidiary of the trade organization, NAHB, which was founded in 1942 and has over 100,000 members.

ADDRESS: P.O. Box 1627, 627 Southlawn Lane, Rockville, MD 20850

TELEPHONE NUMBER: 301-762-4200

LOCATIONS OF TESTING FACILITIES: Rockville, MD.

PURPOSE: To conduct research of standards and test methods for building products and to carry out a testing/inspection/labeling program for selected building products.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1964

STANDARDS

USED: Uses ASTM, ANSI, NFPA, and HUD/FHA standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial product testing and inspection of manufacturing facilities.
2. Requires inspection, sampling and testing of products every 30, 60, or 120 days depending upon product being certified.
3. Authorizes the use of its label.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to anyone in light building industries.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Residential window units, plastic bathtubs, plastic shower stalls, plastic lavatories, insulation-batt and blanket material, insulation-loose fill.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 62

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Window Labeling Program Fact Sheet," "Plastic Bath Fixture Labeling Program Fact Sheet," and "Blowing Wool Agreement and Exhibits" which are available free from NAHBRF.

ORGANIZATION NAME: National Association of Rocketry

ACRONYM: NAR

NATURE OF

ORGANIZATION: Nonprofit consumer organization founded in 1958 with a membership of 2500 and a staff of one.

ADDRESS: 182 Madison Drive, Elizabeth, PA 15037

TELEPHONE NUMBER: 412-384-6490

LOCATIONS OF TESTING FACILITIES: Boston, MA and Rancho Cordova, CA.

PURPOSE: To provide a service program for model rocketeers, including the certification of model rocket motors manufactured for sale in the U.S.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1960

STANDARDS

USED: Uses NAR standards which are available from NAR.

CERTIFICATION

- ACTIVITIES:
1. Requires type testing and recertification every three years with random sampling and testing during the intervening years.
 2. Motors tested for certification are obtained from the manufacturer, and motors for periodic random testing are taken from the shelf or from blind orders.
 3. Authorizes the use of its mark and issues certificates of approval.
 4. Publishes approved product/manufacturer directories.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Available to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Model rocket motors manufactured for sale in the U.S.

NO. OF FACTORIES/

FIRMS LISTED.CERTIFIED: Approximately 5.

PRODUCT

DIRECTORIES: Publishes them in the "American Spacemodeling Magazine" (monthly journal of the NAR) which is available free to members and for a fee to others.

ORGANIZATION NAME: National Automatic Merchandising Association

ACRONYM: NAMA

NATURE OF

ORGANIZATION: Trade association founded in 1936 with over 2300 members.

ADDRESS: 7 S. Dearborn St., Chicago, IL 60603

TELEPHONE NUMBER: 312-346-0370

LOCATIONS OF TESTING FACILITIES: Indiana University Medical School in
Bloomington, IN, and Michigan State
University in East Lansing, MI.

PURPOSE: To represent the vending machine industry and its suppliers.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1957

STANDARDS

USED: Uses NAMA standards available from NAMA.
Also uses FDA standards.

CERTIFICATION

ACTIVITIES:

1. Requires initial product testing by an approved evaluator and inspection of the manufacturing facilities.
2. Requires annual product reevaluation.
3. Evaluators retained by NAMA issue certificates of compliance and publish manufacturer/product listings of certified machines.
4. Authorizes the use of statements that NAMA 3rd-party evaluators have certified a specific product.
5. Has a formal appeals procedure.

COMMENTS: Does not have a certification mark.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual costs for inspection/testing.

PRODUCTS

CERTIFIED: Food and beverage vending machines, vending machine auxiliary equipment.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 30 companies.

PRODUCT

DIRECTORIES: NAMA 1984 "Listing of Vending Machine Letters of Compliance" is available free from NAMA.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Administrative Policies," "Vending Machine Evaluation Manual" and "Organizational Plan and Procedures" are available free from NAMA in single copies.

ORGANIZATION NAME: The National Board of Boiler and Pressure Vessel
Inspectors.

ACRONYM: NBBI

NATURE OF

ORGANIZATION: Organization composed of chief boiler inspectors in the U.S. and
Canada which was founded in 1919.

ADDRESS: 1055 Crupper Avenue, Columbus, OH 43229

TELEPHONE NUMBER: 614-888-8320

LOCATIONS OF TESTING FACILITIES: Columbus, OH.

PURPOSE: To promote uniform administration of boiler and pressure vessel
safety laws.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1919

STANDARDS

USED: Uses ASME Boiler and Pressure Vessel Code, ANSI, NRC standards and
The National Board Inspection Codes and Guides.

CERTIFICATION

- ACTIVITIES:
1. Registers boilers and pressure vessels and provides each with a registration number if constructed in accordance with the ASME Code.
 2. Accredits qualified inspectors through its testing/education/experience evaluation system.
 3. Conducts inspection, product evaluations with periodic audits to assure compliance with ASME Code in jurisdictions which do not possess adequate, qualified inspectors.
 4. Participates along with ASME and qualified local inspectors in the evaluation of the manufacturing of nuclear power plant components to assure compliance with the ASME Code.
 5. Accredits nuclear inspector supervisors through a testing system.
 6. Makes periodic visits to manufacturers' shops to observe fabrication procedures and assure compliance with ASME Code.
 7. Accredits repair services.
 8. Has a formal appeals procedure.
 9. Publishes approved product/manufacture listings.

AVAILABILITY OF SERVICES: Open to U.S. and Canadian manufacturers.

PRODUCTS

CERTIFIED: Boilers, boiler assemblies, water heaters, water lines, pressure piping, pressure vessels, nuclear components and installations, nuclear safety valves, safety valves, safety relief valves.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Has registered 14,000,000 vessels.

PRODUCT

DIRECTORIES: "Manufacturers and National Board Repair Certificate Holders Directory," "Pressure Relieving Device Certification," are available free and for a fixed fee respectively from NBBI.

PROGRAM

DOCUMENTATION

AVAILABLE: "National Board Bulletin," "Administrative Boiler and Pressure Vessel Safety Rules and Regulations," "History of the National Board of Boiler and Pressure Vessel Inspectors," "National Board Authorization to Repair ASME and National Board Stamped Boilers and Pressure Vessels," "National Board Authorization to Repair Valves," "National Board Information Booklet," "Recommended Boiler and Pressure Vessel Legislation," "The Ten Demandments," and "What the National Board Means to You" are available free from the Board. "Guide for ASME Code Sections I, IV, & VIII, Divisions 1 & 2, Reviews and Nuclear Surveys," "Nuclear Board Inspection Code," "Recommended Rules for National Board Boiler Blowoff Equipment," and "Manufacturers' Data Reports Registered with the National Board" are available from NBBI for a fee.

ORGANIZATION NAME: National Certified Testing Laboratories

ACRONYM: NCTL

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1977.

ADDRESS: One Interstate Plaza, York, PA 17402

TELEPHONE NUMBER: 717-846-1200

LOCATIONS OF TESTING FACILITIES: York, PA.

PURPOSE: To perform independent testing and certification of fenestration, insulated glass, paint and polyethylene products to appropriate specifications.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1980

STANDARDS

USED: ANSI standards available from ANSI.

CERTIFICATION

ACTIVITIES:

1. Requires field inspections.
2. Accepts test results from other accredited test labs also.
3. Issues certificates of approval and authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Certification is available to members only.
Testing is available to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Fenestration products, paint, polyethylene, insulated glass.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 95

PRODUCT

DIRECTORIES: "NCTL Certified Products Directory for Fenestration Products," "NCTL Certified Products Directory for Paint," and "NCTL Certified Products Directory for Polyethylene Sheeting" are available free to architects and code bodies and for a fee to others.

PROGRAM

DOCUMENTATION

AVAILABLE: Additional program information is available free from NCTL.

ORGANIZATION NAME: National Dimension Manufacturers Association
(Formerly Hardwood Dimension Manufacturers Association)

ACRONYM: NDMA

NATURE OF

ORGANIZATION: Trade association of dimension manufacturers founded in 1929
with a membership of approximately 65.

ADDRESS: 101 Village Parkway, Suite 202, Marietta, GA 30067

TELEPHONE NUMBER: 404-953-2242

PURPOSE: To provide public relations, advertising, marketing, and
technical/educational services to members; to promote the dimension
industry; to act as a business referral clearinghouse to dimension
buyers, and to establish and maintain standard rules for dimension
products.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: "Rules for Measurement and Inspection of Hardwood Dimension
Activities" available from NDMA.

AVAILABILITY OF SERVICES: Open to all manufacturers of dimension products.

PRODUCTS

CERTIFIED: Hardwood, hardwood stair treads & risers, hardwood interior trim
and mouldings.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Rules of Measurement and Inspection of Hardwood Dimension
Parts, Hardwood Interior Trim and Mouldings, Hardwood Stair
Treads and Risers" are available from NDMA.

ORGANIZATION NAME: National Electrical Testing Association, Inc.

ACRONYM: NETA

NATURE OF
ORGANIZATION: Trade association founded in 1973.

ADDRESS: 916 W. Patapsco Ave., Baltimore, MD 21230

TELEPHONE NUMBER: 301-354-2200

LOCATIONS OF TESTING FACILITIES: Accredited companies throughout the U.S.

CERTIFICATION
FUNCTION(S): Program administrator.

STANDARDS
USED: Uses NETA and other nationally recognized standards.

CERTIFICATION
ACTIVITIES:

1. Requires submission of a detailed application supporting capability.
2. Capability is verified by inspection.
3. Authorizes the use of its logo.
4. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members.

COST OF SERVICES: Included in cost of membership.

PRODUCTS
CERTIFIED: Electrical products, including electrical machinery, equipment, supplies and appliances, miscellaneous machinery (engines, turbines), scientific, optical and professional instruments and supplies.

ORGANIZATION NAME: National Fluid Power Association

ACRONYM: NFPA

NATURE OF

ORGANIZATION: Trade association founded in 1953 with a membership of over 200.

ADDRESS: 3333 N. Mayfair Rd., Milwaukee, WI 53222

TELEPHONE NUMBER: 414-778-3344

LOCATIONS OF TESTING FACILITIES: Requires manufacturer testing/self-certification.

PURPOSE: To develop technical standards; fluid power indices; to conduct marketing and management studies; and to perform other educational and related services for the industry.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1978

STANDARDS

USED: Uses NFPA standards available from NFPA.
Also uses ANSI standards.

CERTIFICATION

ACTIVITIES: 1. Conducts a manufacturers' self-certification program under which manufacturers attest that their products conform to relevant standards, that they maintain a quality control system sufficient to ensure product conformance, and that they conduct verification tests.
2. Authorizes the use of the NFPA trademark to NFPA members.

COMMENTS: Does not have a formal appeals procedure.

AVAILABLE OF SERVICES: Open to all NFPA members.

COST OF SERVICES: Membership fees only.

PRODUCTS

CERTIFIED: Valves, cylinders, pumps and motors, filters - hydraulic and pneumatic, pneumatic regulators, pneumatic lubricators, quick action couplings, accumulators.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "NFPA Standards T1.21.1-1978 (R 1983) - Procedure for Self Certification by Fluid Power Manufacturers."

ORGANIZATION NAME: National Hardwood Lumber Association

ACRONYM: NHLA

NATURE OF

ORGANIZATION: Trade association founded in 1897 with a membership of approximately 1400 companies.

ADDRESS: P. O. Box 34518, Memphis, TN 38184-0518

TELEPHONE NUMBER: 901-377-1818

LOCATIONS OF TESTING FACILITIES: Inspects only, does not test.

PURPOSE: To inspect, measure, grade, and certify hardwood lumber; to conduct seminars and short courses and to maintain an inspection training school, and to maintain and publish uniform grading rules.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses NHLA grading rules available from NHLA.

CERTIFICATION

ACTIVITIES:

1. Inspects and grades lumber and issues certificates of measurement and grade.
2. Financially guarantees certificate.
3. Has a buyer/seller dispute resolution procedure.
4. Bundles certified lumber in metal straps and seals with NHLA mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all producers and sales organizations in the U.S. and Canada.

COST OF SERVICES: Inspection services based on actual costs of inspection plus a surcharge for nonmembers.

PRODUCTS

CERTIFIED: Hardwood lumber.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Rules for the Measurement & Inspection of Hardwood & Cypress" available for a fee from NHLA.

ORGANIZATION NAME: National Kitchen Cabinet Association

ACRONYM: NKCA

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1955 with a staff of 5.

ADDRESS: P.O. Box 6830, Falls Church, VA 22046

TELEPHONE NUMBER: 703-237-7580

LOCATIONS OF TESTING FACILITIES: Albuquerque, NM; St. Louis, MO; Birmingham, AL; Houston, TX; Columbus, OH; Portland, OR; Anaheim, CA; St. Paul, MN; Stanford, CT.

PURPOSE: To encourage the highest ideals and ethics among its members; to encourage its members to be responsive to the Industry's needs; to present the Industry's viewpoint to legislative and regulatory bodies; to work with others to improve the quality and value of the Industry's products; to encourage the development of research projects to achieve Industry improvements; to collect, interpret and disseminate information of interest to the Industry; to represent the Industry in the development of reasonable product standards; to promote the Industry's growth; to encourage participation in activities of special value to the Industry; to promote friendly and lawful interchange among those engaged in the Industry; to conduct other activities of benefit to the Industry.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1968

STANDARDS

USED: ANSI standards available from ANSI.

CERTIFICATION

- ACTIVITIES:
1. Accredits testing and inspection agencies.
 2. Requires type testing by an approved testing agency.
 3. Requires follow-up testing and periodic audits of a producer's Q.A. system by an approved agency.
 4. Requires product testing by an approved agency in response to substantiated complaints.
 5. Issues certificates of approval and authorizes the use of its mark.
 6. Issues approved product directories.
 7. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Kitchen cabinets, bath vanities.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 144.

PRODUCT

DIRECTORIES: "Directory of NKCA Certified Cabinets" available free from NKCA.

PROGRAM

DOCUMENTATION

AVAILABLE: "Manual of Operation and Guidance" and "Certification of Kitchen & Bath Cabinets" which are available from NKCA.

ORGANIZATION NAME: National Marine Manufacturer's Association
(Formerly Boating Industry Associations)

ACRONYM: NMMA

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1968 with a membership of 1000 and a staff of 50.

ADDRESS: 401 N. Michigan Ave., Chicago, IL 60611

LOCATIONS OF TESTING FACILITIES: Quality Tech, Inc., Carrollton, TX; NTA, Nappance, IN; Southwest Research, San Antonio, TX.

PURPOSE: To provide certification of recreational boats, trailers and two-cycle lubrication oil.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1968

STANDARDS

USED: Uses NHTSA, USCG, SAE, and ABYC standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial and periodic factory inspection by NMMA and an evaluation of the manufacturer's Q.A. system.
2. Accredits other testing laboratories for use in testing.
3. Issues certificates of approval and authorizes the use of its mark.
4. Lists approved products/manufacturers in a directory.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Boats, trailers, two-cycle lubricating oil.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 350

PRODUCT

DIRECTORIES: "BIA Type Accepted List" which is available free to members only from NMMA.

ORGANIZATION NAME: National Oak Flooring Manufacturers Association

ACRONYM: NOFMA

NATURE OF

ORGANIZATION: Trade association founded in 1909 and with a membership of approximately 30.

ADDRESS: 804 Sterick Bldg., Memphis, TN 38103

TELEPHONE NUMBER: 901-526-5016

LOCATIONS OF TESTING FACILITIES: Inspects only, does not test.

PURPOSE: To promote standardization; conduct grade labeling and inspection service; and maintain research programs in grading, handling, packaging and installation.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses NOFMA grading rules available from NOFMA.

CERTIFICATION

- ACTIVITIES:
1. Requires six months of observation by NOFMA staff and production approval.
 2. Authorizes the use of its mark and publishes approved manufacturer/product lists.
 3. Makes periodic checks of members facilities.
 4. Has a buyer/seller complaint resolution procedure.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Membership is open to all U.S. manufacturers.

COST OF SERVICES: Based on actual reports.

PRODUCTS

CERTIFIED: Oak flooring, beech flooring, birch flooring, hard maple flooring, pecan flooring.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 19 firms.

PRODUCT

DIRECTORIES: "Buyer's Guide: Directory of Companies Manufacturing Quality Hardwood Flooring and Other Products" is available free from NOFMA.

PROGRAM

DOCUMENTATION

AVAILABLE: "Official Flooring Grading Rules," "Hardwood Flooring Installation Manual," "Hardwood Flooring Finishing/Refinishing Manual" are available free from NOFMA.

ORGANIZATION NAME: National Safe Transit Association

ACRONYM: NSTA

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1940 with a membership of 350 and a staff of 3.

ADDRESS: 625 No. Michigan, Chicago, IL 60611

TELEPHONE NUMBER: 312-337-7462

LOCATIONS OF TESTING FACILITIES: All over the country.

PURPOSE: To prepare and maintain procedures for preshipment testing of packaged products and to certify labs as being qualified to test in accordance with the procedures so that packaging is improved, damages are reduced and claim settlement is expedited.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1948

STANDARDS

USED: Uses NSTA's standards which are available from NSTA.

CERTIFICATION

ACTIVITIES:

1. Evaluates and accredits equipment and personnel involved in preshipment testing of packaging.
2. Authorizes the use of its mark on products which pass testing by accredited laboratories.
3. Issues certificates of approval.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members.

COST OF SERVICES: Fixed fee schedule for membership.

PRODUCTS

CERTIFIED: Packaging, packaged goods.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 115 laboratories.

PRODUCT DIRECTORIES: Publishes a list of approved laboratories.

PROGRAM

DOCUMENTATION

AVAILABLE: "Pre-shipment Test Procedures" and "Laboratory Technical Verification Procedures" which are available for a fee from NSTA.

ORGANIZATION NAME: National Sanitation Foundation

ACRONYM: NSF

NATURE OF

ORGANIZATION: Nonprofit, international voluntary standards and listing/certification organization founded in 1944.

ADDRESS: 3475 Plymouth Road, P.O. Box 1468, Ann Arbor, MI 48106

TELEPHONE NUMBER: 313-769-8010 Telex #: 753215

LOCATIONS OF TESTING FACILITIES: Ann Arbor, MI

PURPOSE: To develop and administer programs relating to public health and environment in areas of service, research and education.

CERTIFICATION

FUNCTION(S): Program administrator, evaluator and certifier.

STANDARDS

USED: Uses NSF standards available from NSF.
Also uses AWWA, ANSI, CSA, ISO and ASTM standards and government regulations.

CERTIFICATION

- ACTIVITIES:
1. Requires initial product testing and inspection by NSF staff.
 2. Requires annual follow-up inspection and periodic retesting.
 3. Offers an assessment service for products which do not fall within the scope of NSF's certification/listing services.
 4. Authorizes the use of its marks and issues product/manufacturer listing or certification.
 5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Varies based on service rendered.

PRODUCTS
CERTIFIED:

Vacuum breakers; plumbing fixtures; water pressure reducing valves; flush tank ball cocks; water hydrants; shower control valves; mixing valves; backwater valves; refuse compactors and compactor systems; thermoplastic refuse containers; marine sanitation devices; plumbing system components for mobile homes and recreational vehicles; cabinetry and laboratory furniture for hospitals; polyethylene refuse bags; individual aerobic wastewater treatment plants; food equipment; wastewater recycle/reuse and water conservation systems; bottled water; flexible membrane liners and point-of-use water treatment devices; Class II (Laminar Flow) biohazard cabinetry; pitless well adapters; special processes or devices used in treating wastewater; Diatomite type filters; sand type filters; recessed automatic surface skimmers; centrifugal pumps; adjustable output rate chemical feeding equipment; multiport valves; cartridge and high permeability type filters; flow through chemical feeding equipment; materials and piping systems for: potable water applications; drain, waste and vent, and continuous waste systems; corrosive waste system applications; and sewers.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: 1800

PRODUCT

DIRECTORIES: "Food Equipment," "Plastic Piping Components and Related Materials," "Swimming Pool Equipment," "Special Categories," and Certification "Registry" are available free from NSF.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Facts About Listing Services," "Facts About Certification Services," "Facts About Assessment Services," "Facts About NSF," and various specific program brochures are available free from NSF.

ORGANIZATION NAME: National Woodwork Manufacturers Association, Inc.

ACRONYM: NWMA

NATURE OF

ORGANIZATION: Trade association founded in 1927 with a membership for 90.

ADDRESS: 205 West Touhy Ave., Park Ridge, IL 60068

TELEPHONE NUMBER: 312-823-6747

PURPOSE: To establish standards, conduct research on all phases of door and window manufacture, and to issue seals of approval for woodwork products.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses ANSI/NWMA Standards available from NWMA or ANSI.

CERTIFICATION

- ACTIVITIES:
1. Requires initial qualifying inspection/product testing by inspectors retained by NWMA.
 2. Requires at least two annual follow-up inspections with product sampling/testing.
 3. Has a formal appeals procedure.
 4. Publishes a listing of approved manufacturers/products and authorized the use of its mark.
 5. Has a challenge procedure under which substantiated claims of noncompliance from a person/manufacturer will result in the testing of the product under dispute.

COMMENTS: Program complies with ANSI Z34.1.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on actual cost of inspection/testing services.

PRODUCTS

CERTIFIED: Hardwood flush doors, water repellant preservative treatment, wood window units, wood sliding patio doors.

PROGRAM

DOCUMENTATION

AVAILABLE: "Hardwood Door Certification Program: Program Outline," "Water Repellent Preservative Treatment Certification Program: Program Outline," "Wood Window Unit Certification Program: Program Outline," and "Wood Sliding Door Certification Program: Program Outline" are available free from NWMA upon request.

ORGANIZATION NAME: Northern Hardwood & Pine Manufacturers Association/Softwood Inspection Bureau

ACRONYM: NHPMA/SIB

NATURE OF ORGANIZATION: SIB is the rules writing and grading authority under the aegis of the Northern Hardwood and Pine Manufacturers Association, Inc. (NHPMA), which was founded in 1905 with a membership of approximately 130.

ADDRESS: 8600 W. Bryn Mawr Ave., Suite 720-South, Chicago, IL 60631

TELEPHONE NUMBER: 312-693-0990

LOCATIONS OF TESTING FACILITIES: Inspects, does not test.

CERTIFICATION FUNCTION(S): Program administrator and certifier of shipments.

STANDARDS USED: Uses VPS 20-70 which is available from NHPMA or from the National Bureau of Standards and grading rules which are also available from NHPMA.

CERTIFICATION ACTIVITIES:

1. Inspects, grades and tallies shipments of lumber.
2. Issues shipping certificates.
3. Authorizes the use of the NHPMA mark.
4. Conducts a buyer/seller dispute resolution mechanism.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all domestic producers.

PRODUCTS CERTIFIED: Lumber products, Balsam Fir, Hemlock, Eastern Spruce, Eastern White Pine, Jack Pine, Red Pine, Tamarack, Aspen, Cottonwood, Yellow-poplar.

PRODUCT DIRECTORIES: None

PROGRAM DOCUMENTATION AVAILABLE: "Standards Grading Rules for Northern and Eastern Lumber" which is available for a fee from NHPMA.

ORGANIZATIONAL NAME: Northwest Laboratories of Seattle, Inc.

NATURE OF

ORGANIZATION: Independent testing laboratory.

ADDRESS: 1530 First Avenue South, Seattle, WA 98134

TELEPHONE NUMBER: 206-622-0680

LOCATIONS OF TESTING FACILITIES: Seattle, WA.

PURPOSE: To provide technical services for industry, commerce, the legal profession and the insurance industry.

CERTIFICATION

FUNCTION(S): Program administrator (for some products) and certifier.

AVAILABILITY OF SERVICES: Open to all.

PRODUCTS

CERTIFIED: Doors, windows, stoves, furnaces, fireplace inserts, solid fuel burning appliances, textile products.

ORGANIZATION NAME: Outdoor Power Equipment Institute, Inc.

ACRONYM: OPEI

NATURE OF

ORGANIZATION: Trade association founded in 1952 with a membership of approximately 75.

ADDRESS: 1901 L Street, NW, Suite 700, Washington, DC 20036

TELEPHONE NUMBER: 202-296-3484

LOCATIONS OF TESTING FACILITIES: United States Testing Company (USTC) in Hoboken, NJ.

PURPOSE: To promote outdoor power equipment; to coordinate development of voluntary standards; to collect and disseminate industry statistical information; and to sponsor a third-party certification program.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1961

STANDARDS

USED: Uses ANSI/OPEI standards available from ANSI.

CERTIFICATION

ACTIVITIES: 1. Requires initial product testing and inspection by USTC.
2. Requires periodic inspection/testing by USTC at least twice annually.
3. Authorizes the use of the OPEI seal.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all manufacturers.

COST OF SERVICES: Varies. Manufacturers must be members of OPEI or pay nonmember fee to participate in OPEI certification program. Additional cost to manufacturers based on USTC charges for inspection.

PRODUCTS

CERTIFIED: Lawn mowers, snow throwers, shredder/grinders.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "III. Certification of Compliance with Voluntary Safety Standards for Powered Lawn Mowers" is available free from OPEI.

ORGANIZATIONAL NAME: Pacific Inspection and Research Laboratory, Inc.

ACRONYM: PIRL

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1980 with a staff of 8.

ADDRESS: 4076 148th Ave., N.E., Redmond, WA 98052

TELEPHONE NUMBER: 206-881-7668

LOCATIONS OF TESTING FACILITIES: Redmond, WA.

PURPOSE: To provide product testing and certification and consulting services.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1980

STANDARDS

USED: Uses UL and ASTM standards.

CERTIFICATION

ACTIVITIES:

1. Requires initial and follow up testing.
2. Requires initial and follow up factory inspections and evaluations of a manufacturer's Q.A. system.
3. Issues certificates of approval and authorizes the use of its mark.
4. Publishes approved product/manufacture directories.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Solid fuel burning stoves, heaters, central furnaces and related accessories, small electrical appliances, lighting systems.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 11

PRODUCT

DIRECTORIES: "Catalog of Solid Fuel Burning Appliances" is available free upon request.

PROGRAM

DOCUMENTATION

AVAILABLE: Provided by PIRL upon request.

ORGANIZATION NAME: PFS Corporation

ACRONYM: PFS

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1959 with a staff of 40.

ADDRESS: 2402 Daniels Street, Madison, WI 53704

TELEPHONE NUMBER: 608-221-3361

LOCATIONS OF TESTING FACILITIES: Madison, WI (Headquarters); and Dallas, TX; Bloomsburg, PA; and Los Angeles, CA (Branch Offices). New branch office to be opened in FL as of 6/85.

PURPOSE: To serve as an independent, third party testing, inspection and certification agency.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1959

STANDARDS

USED: Uses PFS standards available from PFS.
Also uses ASTM, UL, CSA, and other nationally-recognized standards.

CERTIFICATION

ACTIVITIES:

1. Requires initial and follow up testing.
2. Requires initial and follow up factory inspection and evaluation of a producer's Q.A. system.
3. Provides periodic seminars on quality assurance functions.
4. Issues PFS labels and authorizes the use of its mark.
5. Publishes listed product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Manufactured structures - modular, wet core, office trailers, closed panels; mobile homes - DAPIA/IPIA; building components - open panel, components, plywood components, trusses; glue laminated beams; all weather wood foundations; AWPB inspection program; TPI inspection program, formaldehyde emissions; heating appliances (for safety, emissions, & efficiency); wood & coal burning units; gas and oil burners; combination units; multi-oil fuel burners; biomass burners; kerosene heaters.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 200.

PRODUCT

DIRECTORIES: "PFS Building Products and Material List" and "PFS Heating Appliances List" are available free from PFS.

PROGRAM

DOCUMENTATION

AVAILABLE: Available upon request.

ORGANIZATIONAL NAME: Pittsburgh Testing Laboratory

ACRONYM: PTL

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1881 with approximately 1300 employees.

ADDRESS: 850 Poplar Street, Pittsburgh, PA 15220

TELEPHONE NUMBER: 412-922-4000

LOCATIONS OF TESTING FACILITIES: PTL has laboratories throughout the country.

PURPOSE: To provide quality control, quality assurance, product certification and forensic and materials engineering services.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1959

STANDARDS

USED: Uses nationally recognized standards, none of which are PTL's.

CERTIFICATION

ACTIVITIES:

1. Requires initial type and follow-up testing.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Approves other testing laboratories.
4. Issues certificates of approval and authorizes the use of its mark.

COMMENTS:

1. PTL requires the following prior to any certification program: (1) availability of technical standards or government regulations; (2) availability of plant Q.C. certification program; (3) plant survey, sampling and qualification prior to certification; and (4) follow-up system after initiation of certification.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Both fixed fee schedule and individually determined based on product and services rendered.

PRODUCTS

CERTIFIED: Plywood, particle board, trusses, glue laminated members, folding doors, safety shoes, safety eye protective devices, industrialized buildings, building components, compressed gas cylinders, compressed gas cylinder service stations, aluminum windows, room dividers, flares and other Coast Guard regulated products (marine products).

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 200.

ORGANIZATION NAME: Plumbing and Drainage Institute

ACRONYM: PDI

NATURE OF

ORGANIZATION: Trade association founded in 1928 with a membership of 5.

ADDRESS: 5342 Boulevard Place, Indianapolis, IN 46208

TELEPHONE NUMBER: 317-251-5298

PURPOSE: To publish standards and code books and to conduct a certification program.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses PDI standards available from PDI.
Also uses ANSI and ASSE standards.

CERTIFICATION

ACTIVITIES: 1. Accredits laboratories to conduct testing.
2. Requires initial product testing by a PDI approved laboratory.
3. Requires follow-up testing within three years and annually thereafter.
4. Issues certificate of compliance and authorizes the use of its mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all producers.

PRODUCTS

CERTIFIED: Water hammer arresters, grease interceptors.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: See applicable PDI standards available from PDI for a fee.

ORGANIZATION NAME: Prestressed Concrete Institute

ACRONYM: PCI

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1954 with a membership of approximately 2,000 and a staff of 18.

ADDRESS: 201 North Wells Street, Chicago, IL 60606

TELEPHONE NUMBER: 312-346-4071

PURPOSE: To foster greater understanding and use of precast and prestressed concrete.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1967

STANDARDS

USED: Uses PCI standards available from PCI.
Also uses ACI, ASTM, and PCA standards.

CERTIFICATION

ACTIVITIES: 1. Requires 3 inspections a year of 1-2 days duration by a PCI approved inspection agency and evaluation of a producer's Q.A. system.
2. Issues certificates of compliance and maintains a PCI certified plant list.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

INSPECTED: Precast and prestressed concrete.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 115.

PRODUCT

DIRECTORIES: "PCI Certified Plant List" is available free from PCI.

PROGRAM

DOCUMENTATION

AVAILABLE: "Manual for Quality Control for Plants and Production of Precast and Prestressed Concrete Products," "Certified Newsletter," and "PCI Plant Certification Program" are available from PCI.

ORGANIZATION NAME: Pulver Laboratories, Inc.

ACRONYM: PLI

NATURE OF

ORGANIZATION: Independent safety and Radio Frequency Interference (RFI) testing laboratory for product certification nationally and/or internationally.

ADDRESS: P.O. Box 5, Boise, ID 83707

TELEPHONE NUMBER: 208-342-1000

LOCATIONS OF TESTING FACILITIES: Boise, ID.

PURPOSE: To test, evaluate and certify electrical products.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses FCC, MIL STD, CISPR, UL, IEC, CSA, CISPR, VDE and other foreign national standards and the National Electrical Code.

CERTIFICATION

ACTIVITIES:

1. Provides initial testing to ensure compliance with requirements of each country where marketing is desirable.
2. Recommends design modifications to bring products into compliance with applicable requirements.
3. Provides follow up inspection every 3 months to assure compliance.
4. Issues an Evaluation Report covering all testing aspects.
5. Authorizes the use of its label and issues certificates of conformance.

COMMENTS: PLI certification is accepted in the U.S. and 22 other countries. PLI will, however, assist manufacturers in obtaining any international agency mark. Does not have a formal appeals procedure but does provide manufacturer with recommended design modifications.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees and/or based on actual costs of testing involved depending on service requested.

PRODUCTS

CERTIFIED: Electrical products.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "RFI/EMI/EMC Product Safety: Testing • Design • Certification Professional Services" available free from PLI.

ORGANIZATION NAME: Recreation Vehicle Industry Association

ACRONYM: RVIA

NATURE OF

ORGANIZATION: Trade association founded in 1974 with a membership of approximately 500.

ADDRESS: P.O. Box 2999, 1896 Preston White Drive, Reston, VA 22090

TELEPHONE NUMBER: 703-620-6003

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To provide a unified recreational vehicle organization for the industry throughout the U.S.; to work with government, the financial community, allied industries, the media and the public; to sponsor awards and compile statistics and develop research data; and to conduct trade shows and technical and compliance education.

CERTIFICATION

FUNCTION(S): Program administrator. Compliance must be maintained to retain membership.

STANDARDS

USED: Uses ANSI standards available from ANSI.
Also uses the National Electrical Code and Federal Motor Vehicle Safety Standards.

CERTIFICATION

ACTIVITIES: 1. Requires manufacturer's self-certification.
2. Requires periodic unannounced inspections by RVIA staff of a manufacturer's facility.
3. Authorizes the use of its mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all RVIA members.

COST OF SERVICES: Membership fees from \$1,350 to \$13,000 based on sales.

PRODUCTS

CERTIFIED: Recreational vehicles and van conversions. (Certified by members only as a requirement of membership).

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 250.

PRODUCT

DIRECTORIES: Membership directory is available for a fee from RVA.

ORGANIZATION NAME: Recreation Vehicle Rental Association, a division of the
Recreation Vehicle Dealers Association

ACRONYM: RVRA/RVDA

NATURE OF

ORGANIZATION: RVDA is a trade association founded in 1970 with a membership
of approximately 700.

ADDRESS: Suite 500, 3251 Old Lee Highway, Fairfax, VA 22030

TELEPHONE NUMBER: 703-591-7130

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses standards established by the Recreation Vehicle Rental
Association (RVRA), a division of the RVDA.

CERTIFICATION

ACTIVITIES: 1. Requires self-certification by a dealer that his vehicles
meet RVRA standards.
2. Requires that the dealer agree to announced inspection by
RVRA and its agents to verify compliance.
3. Requires the dealer to agree to binding arbitration of a
dispute when requested by a customer.
4. Has a formal appeals procedure.
5. Authorizes the use of its mark.

COST OF SERVICES: Fixed fee.

PRODUCTS

CERTIFIED: Recreation rental vehicles.

PROGRAM

DOCUMENTATION

AVAILABLE: RVRA application form, certification standards, and licensing
agreement.

ORGANIZATION NAME: Redwood Inspection Service

ACRONYM: RIS

NATURE OF

ORGANIZATION: Official redwood grading agency which operates under standards written by the American Lumber Standards Committee.

ADDRESS: 591 Redwood Highway, Suite 3100, Mill Valley, CA 94941

TELEPHONE NUMBER: 415-381-1304

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To assure the quality of redwood lumber products.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses RIS grading rules which are available from RIS, and National Design Specifications available from NFPA. Also uses VPS PS20-70, which is available from NBS and ASTM standards.

CERTIFICATION

ACTIVITIES:

1. RIS supervisors act as grading monitors of redwood products produced by redwood mills throughout Northern California.
2. RIS also trains graders for individual mill members.
3. Offers a buyer/seller dispute resolution procedure.
4. Authorizes the use of its mark and provides a certificate of compliance.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all mills in Northern California.

PRODUCTS

CERTIFIED: Northern California whitewood lumber products, California redwood lumber products.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Standard Specification for Grades of California Redwood Lumber" which is available for a fee from RIS and "NBS Voluntary Product Standard PS 20-70" which is available free from NBS.

ORGANIZATION NAME: Red Cedar Shingle and Handsplit Shake Bureau

ACRONYM: RCSHSB

NATURE OF

ORGANIZATION: A trade association founded in 1915 with a membership of approximately 350.

ADDRESS: 515 116th Ave., NE, Suite 275, Bellevue, WA 98004

TELEPHONE NUMBER: 206-453-1323

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To promote in every legitimate way the interests of the red cedar shingle and shake manufacturers, processors and users, and to engage in any and all lawful activities reasonably calculated to increase the public demand and to create and enlarge markets for red cedar shingles and shakes.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1926

STANDARDS

USED: Uses grading rules which are available from RCSHSB.

CERTIFICATION

ACTIVITIES:

1. Requires periodic unannounced inspections by Bureau staff of members mills and their grading policies.
2. Has a buyer seller dispute resolution procedure.
3. Authorizes the use of its three labels.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members.

PRODUCTS

CERTIFIED: Red cedar shingles, tapersplit shakes, taper-sawn shakes, resawn shakes, machine-grooved shakes, rebuttet-rejointed shingles.

PRODUCTS

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Of Shakes and Shingles" and "Grading Rules" are available free from RCSHSB.

ORGANIZATION NAME: The Refractories Institute

ACRONYM: TRI

NATURE OF

ORGANIZATION: Nonprofit trade organization founded in 1951 with a membership of 85 and a staff of 5.

ADDRESS: 301 Fifth Avenue, Suite 1517, Pittsburgh, PA 15222

TELEPHONE NUMBER: 412-281-6787

LOCATIONS OF TESTING FACILITIES: Refractory Research Center (RRC), Ohio State University, 2041 N. College Road, Columbus, OH 43210.

PURPOSE: To promote the interests of refractories manufacturers and their suppliers.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: Since 1964 at Ohio State and from 1917 until 1964 at the Mellon Institute.

STANDARDS

USED: Uses ASTM standards available from ASTM.
Also uses DIN standards available from ANSI and other standards information organizations.

CERTIFICATION

ACTIVITIES: 1. Requires type testing at the Refractory Research Center.
2. Requires periodic follow-up testing at the Center.
3. Publishes an approved product directory.

COMMENTS: 1. Conducts impartial quality control or other types of analyses on refrac-products. The RRC provides services for thorough characterization of ceramic and refractory materials, offering roughly 100 different standard ASTM tests, as well as numerous other tests, services, and research activities.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Refractory products.

PRODUCT

DIRECTORIES: "1985 Product Directory of the Refractories Industry in the United States" (current) is available for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: Catalog listing individual tests and fees for each test is available from the RRC.

ORGANIZATIONAL NAME: Resources Applications, Designs & Controls, Inc.

ACRONYM: RADCO

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1968 with a staff of 50.

ADDRESS: 16415 S. Avalon Blvd., Gardena, CA 90248
P.O. Box 5506, Carson, GA 90749

TELEPHONE NUMBER: 213-532-3842

LOCATIONS OF TESTING FACILITIES: Gardena, CA.

PURPOSE: To conduct tests to evaluate performance of products against well known standards; to set up quality control manuals; to set up quality monitoring programs with manufacturers; to work with code bodies as listed quality assurance agency; and to list products and audit/inspect manufacturers' facilities periodically.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses ASTM, UBC, HUD, VPS, ANSI and other nationally recognized standards.

CERTIFICATION

ACTIVITIES:

1. Requires follow-up testing by RADCO.
2. Requires initial and periodic factory inspection and evaluation of a manufacturer's Q.A. system.
3. Authorizes the use of its mark.
4. Publishes approved product/manufacturer directories.

COMMENTS:

1. RADCO is also an approved Quality Inspection Agency for listing agencies such as ICBO, California State Fire Marshall, etc.
2. Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Building materials such as roofing, roof shingles, roof underlayment, wall panels, sheathing boards, roof trusses, fireplaces, doors, windows, air ducts, EPS foam insulation boards, formaldehyde emission in wood products, and related materials.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 65.

PRODUCT

DIRECTORIES: "Directory of Listed Products" is available from RADCO.

ORGANIZATION NAME: C. M. Rou Services, Inc.

ACRONYM: CMRSI

NATURE OF

ORGANIZATION: Independent testing laboratory founded in 1971.

ADDRESS: 3059 Ken Dale Drive, Mobile, AL 36606

TELEPHONE NUMBER: 205-473-6410

LOCATIONS OF TESTING FACILITIES: Mobile, AL.

PURPOSE: To inspect wood products and the preservative treatment of these materials and to provide consulting services for users and producers of preservative treated wood products.

CERTIFICATION

FUNCTION(S): Certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1971

STANDARDS

USED: Uses AWPB, AWPB, ASTM, and REA standards which are available from those organizations.

CERTIFICATION

ACTIVITIES: 1. Provides follow up testing, factory inspections, evaluation of a producer's Q.A. system and periodic follow up Q.A. system evaluations as required by the program administrator.
2. Authorizes the use of a mark and issues certificates of approval.

COMMENTS: Does not conduct a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Utility poles; marine, freshwater, land and foundation pilings; preservative treated lumber and timbers; cross ties; crossarms; other timber products.

PRODUCT

DIRECTORIES: None.

ORGANIZATION NAME: Safety Equipment Institute

ACRONYM: SEI

NATURE OF

ORGANIZATION: A separate, non-profit subsidiary organization under the Industrial Safety Equipment Association founded in 1981.

LOCATIONS OF TESTING FACILITIES: Arlington, VA. also uses Pittsburgh Testing Laboratories in Pittsburgh, PA; United States Testing Company in Hoboken, NJ; and W.A. Golomski & Associates in Chicago, IL.

ADDRESS: 1901 North Moore Street, Arlington, VA 22209

TELEPHONE NUMBER: 703-525-1695

PURPOSE: To increase the overall quality of personal protective equipment in the U.S. market.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1981

STANDARDS

USED: Uses ANSI, ASTM, NIOSH, NFPA and OSHA standards.

CERTIFICATION

ACTIVITIES:

1. Requires product testing and factory inspection by independent third parties.
2. Requires periodic inspection and product testing as needed.
3. Authorizes the use of its mark and publishes approved product listings.
4. Has a formal appeals procedure.

COMMENTS: Pittsburgh Testing Laboratories tests protective eyewear and face protection equipment and emergency eye wash and shower equipment and United States Testing tests protective head coverings. W. A. Golomski & Associates does the audit inspections.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee plus initiation and product model fees.

PRODUCTS

CERTIFIED: Head protection equipment, faceshields, goggles, goggle replacement lenses, spectacles, spectacle replacement lenses, welding goggles, welding, helmets, replacement filter plates, cover plates, emergency eye wash and shower equipment.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: 35 firms.

PRODUCT
DIRECTORIES: "Product List of Protective Equipment Bearing the SEI
Certification Label" available from SEI for a fee.

PROGRAM
DOCUMENTATION
AVAILABLE: "SEI: Safety Equipment Institute," "SEI: We're Proud of this
Label," and "SEI: Safety Equipment Institute Launches
Certification Program" available free from SEI.

ORGANIZATION NAME: Safety Glazing Certification Council

ACRONYM: SGCC

NATURE OF

ORGANIZATION: Nonprofit industry certification program founded in 1971.

ADDRESS: 1640 West 32 Place, Hialeah, FL 33012

TELEPHONE NUMBER: 305-558-1352

LOCATIONS OF TESTING FACILITIES: Bowser-Morner, Inc. in Dayton, OH; ETL Testing Laboratories, Inc. in Norcross, GA and Cortland, NY; Inspection and Research Laboratory, Inc. in Ontario, California; Miami Testing Laboratory, Inc. in Hialeah, FL; and Southwestern Laboratories in Fort Worth, TX; Patzing, Des Moines, IA; U.S. Testing, Hoboken, NJ.

PURPOSE: To assure adherence of manufacturers of safety glazing materials to high standards of safety and quality.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1971

STANDARDS

USED: Uses Standard 16 CFR 1201 which is available from CPSC, and ANSI Standard Z 97.1-1984.

CERTIFICATION

ACTIVITIES:

1. Accredits laboratories to conduct safety glazing testing.
2. Requires initial testing by an accredited laboratory.
3. Requires periodic testing by an accredited laboratory.
4. Requires complaint testing in the event of a substantiated complaint by any source.
5. Authorizes the use of its mark and publishes approved product/manufacture listings.
6. Has a formal appeals procedure.

COMMENTS: Certification and listing program is conducted in accordance with the procedures of a third party.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees.

PRODUCTS

CERTIFIED: Tempered transparent glass, tempered pattern glass, laminated glass, general plastics, exterior use plastics, interior use plastics, organic coated glass.

PRODUCT

DIRECTORIES: "Certified Products Directory: Safety Glazing Material used in Buildings" is available for a fee from SGCC.

PROGRAM

DOCUMENTATION

AVAILABLE: See directory.

ORGANIZATION NAME: Snell Memorial Foundation

ACRONYM: SMF

NATURE OF

ORGANIZATION: Nonprofit research and standards development organization
founded in 1957 with a staff of 4.

ADDRESS: P. O. Box 733, Wakefield, RI 02880

TELEPHONE NUMBER: 401-789-5410

LOCATIONS OF TESTING FACILITIES: 94 Broadrock Road, Wakefield, RI 02879
1876 Stockton Blvd., Sacramento, CA 95817

PURPOSE: To approve manufacturers' helmets meeting its standards and other
criteria for certification under contractual agreements, providing,
among other matters, ongoing random testing of helmets taken from
dealer shelves.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1957

STANDARDS

USED: Snell standards available from SMF.

CERTIFICATION

ACTIVITIES: 1. Requires initial and periodic type testing and factory
inspection.
2. Requires initial and periodic inspection of a producer's
Q.A. system.
3. Authorizes the use of its mark and issues certificates of
approval.
4. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Motorcycle helmets, bicycle helmets, equestrian helmets,
ski helmets. Special applications (Automobile Racing Helmets).

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 10

PROGRAM

DOCUMENTATION

AVAILABLE: Certification requirements are contained in the appropriate
Snell standards which are available from SMF for a fee.

ORGANIZATION NAME: Snowmobile Safety and Certification Committee, Inc.

ACRONYM: SSCC

NATURE OF

ORGANIZATION: Industry organization founded in 1974 with membership open to all interested parties.

ADDRESS: 7573 Little River Turnpike, Suite 330, Annandale, VA 22003

TELEPHONE NUMBER: 703-642-5850

LOCATIONS OF TESTING FACILITIES: U.S. Testing Co. in Fairfield, NJ.

PURPOSE: To assure the safe manufacture and use of snowmobiles.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: First set of standards effective Feb. 1, 1975.

STANDARDS

USED: Uses SSCC standards available from SSCC.
Also uses SAE standards, Canadian Government Specification Board and U.S. Federal Specifications.

CERTIFICATION

ACTIVITIES: 1. Requires approval of manufacturer's initial product testing by U.S. Testing Co.
2. Authorizes periodic follow up testing by U.S. Testing Co.
3. Authorizes the use of its label.
4. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fee based on production plus plant visitation fee based on no. of modules being certified plus testing company travel related expenses.

PRODUCTS

CERTIFIED: Snowmobiles.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 3

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Safety Standards for Snowmobile Product Certification SSCC/8"
is available for a fee from SSCC upon request.

"Safety Standards for Snowmobile Product Certification SSCC/8:
Supplement" is also available for a fee from SSCC upon request.

ORGANIZATION NAME: Solar Rating & Certification Corp.

ACRONYM: SRCC

NATURE OF

ORGANIZATION: Nonprofit organization founded in 1980 to certify and performance rate solar energy equipment. Also accredits tests facilities.

ADDRESS: 1001 Connecticut Ave., NW, Suite 800, Washington, DC 20036-5584

TELEPHONE NUMBER: 202-452-0078

LOCATIONS OF TESTING FACILITIES: Phoenix, AZ; Cape Canaveral, FL; San Diego, CA; Huntsville, AL.

PURPOSE: To develop and implement certification and rating programs for solar energy products.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1981

STANDARDS

USED: Uses SRCC standards available from SRCC.
Also uses ASHRAE, NFPA, NSF, AGA, and UL standards.

CERTIFICATION

ACTIVITIES:

1. Accredits laboratories for testing.
2. Requires initial product testing by an accredited laboratory.
3. Requires follow up testing every 3 years.
4. Authorizes the uses of its mark.
5. Requires complaint testing in the event of a substantiated complaint by a third party.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fees plus variable fee based on volume shipped.

PRODUCTS

CERTIFIED: Solar collectors.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 160 manufacturers, 500 products certified.

PRODUCT

DIRECTORIES: "Directory of SRCC Certified Solar Collector Ratings" and "Directory of SRCC Certified Solar Water Heating System Ratings" are available from SRCC.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Solar Collector Certification Rating and Labeling Program: Executive Summary," "OG-100: Operating Guidelines for Certifying Solar Collectors," "Methodology for Determining the Thermal Performance Rating for Solar Collectors," "Solar Water Heating System Certification Rating and Labelling Program: Executive Summary," "OG-200: Operating Guidelines for a Certifying Solar Water Heating Systems," "Laboratory Accreditation Program: Executive Summary," and "SRCC Document LAC-1: Accreditation Criteria for Testing Laboratories Evaluating Solar Components, Subsystems, and Systems" are available free from SRCC. "SRCC Standard 100-81, Test Methods and Minimum Standards for Certifying Solar Collectors" and "SRCC Standard 200-82, Test Methods and Minimum Standards for Certifying Solar Water Heating Systems" are also available from SRCC.

ORGANIZATION NAME: Southern Building Code Congress International, Inc.

ACRONYM: SBCCI

NATURE OF

ORGANIZATION: Model code writing organization with a staff of 36.

ADDRESS: 900 Montclair Road, Birmingham, AL 35213-1206

TELEPHONE NUMBER: 205-591-1853

LOCATIONS OF TESTING FACILITIES: Has approved labs nationwide and in Canada.

PURPOSE: To provide members with up to date model code documents, educational materials and support services.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1971

STANDARDS

USED: Used Standards Codes which are available from SBCCI.

CERTIFICATION

- ACTIVITIES:
1. Accredits testing laboratories and inspection agencies.
 2. Requires the submission of detailed design/product data as well as test data from an accredited or acceptable laboratory.
 3. Prepares draft compliance report for review and comment by applicant.
 4. Publishes final compliance reports and authorizes the use of the SBCCI Seal.
 5. Publishes list of products covered by compliance reports.
 6. Has a formal appeals procedure.
 7. Requires periodic re-evaluation of product.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED:

Alternate materials and methods of construction, building products, building materials, prefabricated and factory built components, chimneys and fireplaces, doors, windows, ducts, exit systems, exterior finishes, factory built houses, factory built structures, fire resistive construction, fasteners, floor systems, wall systems, roof systems, foundations, framing systems, gas logs, gas lighters, glazing, hangers, support, insulation, interior finishes, masonry products, mechanical systems, metal buildings, plumbing fixtures, plumbing materials and systems, roofing, roof decks, smoke and heat detectors, solar systems, swimming pools, thermal barriers, truss plate connectors.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Has over 500 compliance reports.

PRODUCT

DIRECTORIES:

"SBCCI: Compliance Report Listing" is provided free to members and for a fee to others.

ORGANIZATION NAME: Southern Pine Inspection Bureau

ACRONYM: SPIB

NATURE OF

ORGANIZATION: Nonprofit inspection agency founded in 1940 with a membership of 334 and a staff of 50.

ADDRESS: 4709 Scenic Highway, Pensacola, FL 32504-9094

TELEPHONE NUMBER: 904-434-2611

LOCATIONS OF TESTING FACILITIES: Pensacola, FL.

PURPOSE: To serve as the southern pine lumber standards writing organization. Also to provide supervisory grading service to southern pine lumber manufacturers subscribing to SPIB and to provide supervisory quality control service to pressure treaters of southern pine lumber under AWPAs standards for waterborne salts.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1940

STANDARDS

USED: SPIB Grading Rules available from SPIB.
Also uses AWPAs Treating Standards available from AWPAs.

CERTIFICATION

ACTIVITIES: 1. Requires initial evaluation of a producer's Q.A. system.
2. Requires periodic re-evaluations of producer's Q.A. system.
3. Authorizes the use of its mark and publishes approved product directories.
4. Has a formal appeals procedure.

COMMENTS: More than 90% of the southern pine industry in the U.S. classifies and sells its product under SPIB's grading rules. SPIB is managed by an elected board of governors from subscriber mills.

AVAILABILITY OF SERVICES: Open to all U.S. producers.

COST OF SERVICES: Fixed fee.

PRODUCTS

CERTIFIED: Southern pine lumber, pressure treated southern pine lumber, glued lumber/plywood I-beams, truss assembling with southern pine lumber.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: Approximately 350 southern pine lumber producers,
approximately 30 pressure treating plants, and 6
machine stress rating organizations.

PRODUCT

DIRECTORIES: "SPIB 1985 Roster" which is available free from SPIB.

ORGANIZATION NAME: Steel Joist Institute

ACRONYM: SJI

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1928 with a membership of 15.

ADDRESS: Suite A, 1205 48th Ave. North, Myrtle Beach, SC 29577

TELEPHONE NUMBER: 803-449-0487

LOCATIONS OF TESTING FACILITIES: N/A.

PURPOSE: To develop, establish and maintain standards; to conduct research activities for the joist industry on various aspects of steel joist design and performance; to publish information regarding the proper use of steel joists and accessories, including handling and erection, in the interest of public welfare and safety; and to promote the use of steel joists.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1928

STANDARDS

USED: Uses SJI standards which are available from SJI.

CERTIFICATION

ACTIVITIES:

1. Requires submission and approval of complete design data.
2. For open web joists, H-Series, requires testing by an independent laboratory and inspection of the plant by an SJI approved inspection agency.
3. Requires periodic inspection by an SJI approved agency.
4. Issues certificates of approval and publishes approved product/manufacturer lists.
5. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: H-series joists, LH-series joists, DLH-series joists, joist girders.

PRODUCT

DIRECTORIES: Publishes the names of member companies and the products on which they have gained certification on the back cover of the publication entitled, "Standard Specifications, Load Tables and Weight Tables for Steel Joists & Joist Girders," which is available from SJI for a fee.

ORGANIZATION NAME: Steel Tank Institute

ACRONYM: STI

NATURE OF

ORGANIZATION: Trade association founded in 1916 with a membership of 65 and a staff of 7.

ADDRESS: 666 Dundee Road, Suite 705, Northbrook, IL 60062

TELEPHONE NUMBER: 312-498-1980

LOCATIONS OF TESTING FACILITIES: Utilizes independent testing labs.

PURPOSE: To secure cooperative action in advancing by all lawful means the common purposes of its members and to promote activities designed to enable the industry to conduct itself with the greatest economy and efficiency.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1972

STANDARDS

USED: Uses STI standards available from STI.
Also uses UL, ASTM and NFPA standards.

CERTIFICATION

ACTIVITIES:

1. Requires periodic inspection by an STI approved inspection service.
2. Requires initial and periodic inspection of a producer's Q.A. system.
3. Makes periodic unannounced factory inspection by STI quality assurance inspectors.
4. Requires attendance at STI sponsored Q.A. seminars.
5. Authorizes the use of its mark and publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to licensees only.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Corrosion resistant underground storage tanks and attendant components.

PRODUCT

DIRECTORIES: "STI-P3: Available Nationally" is available free from STI.

ORGANIZATION NAME: Sump and Sewage Pump Manufacturers Association

ACRONYM: SSPMA

NATURE OF

ORGANIZATION: Trade association founded in 1956 with a membership of approximately 30.

ADDRESS: 221 North La Salle Street, Chicago, IL 60601

TELEPHONE NUMBER: 312-346-1600

LOCATIONS OF TESTING FACILITIES: Does not test.

PURPOSE: To develop and promulgate quality standards; to implement a labeling and certification program for products conforming to these standards; to investigate market size and activity; to promote improved provisions in building codes.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses SSPMA standards available from SSPMA.
Also uses NEMA standards and the National Electrical Code.

CERTIFICATION

ACTIVITIES: 1. Requires manufacturers' self certification that his products meet standards.
2. Authorizes the use of its seal and publishes approved product/manufacture listings.
3. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members and non-members.

PRODUCTS

CERTIFIED: Sump pumps, sewage pumps.

PRODUCT

DIRECTORIES: "List of SSPMA Member Companies" is available free upon request.

PROGRAM

DOCUMENTATION

AVAILABLE: "Sump and Sewage Pump Standards" is available for a fee from SSPMA.

ORGANIZATION NAME: Sun-Diamond Growers of California

ACRONYM: None

NATURE OF

ORGANIZATION: Growers cooperative marketing organization founded in 1910 with a membership of 6000 and a staff of 515.

ADDRESS: P.O. Box 1727, Stockton, CA 95201

TELEPHONE NUMBER: 209-467-6000

LOCATIONS OF TESTING FACILITIES: Yuba City, CA; Stockton, CA; Kingsburg, CA; Del Rey, CA; Fresno, CA.

PURPOSE: To process, package and market members commodities -- prunes, walnuts, raisins, figs, and hazelnuts.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses USDA standards and internal standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial and periodic factory inspections.
2. Requires initial and periodic evaluations of a producers Q.A. system.
3. Authorizes the use of its trademark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members only.

COST OF SERVICES: Free to members.

PRODUCTS

CERTIFIED: Prunes, walnuts, raisins, figs, hazelnuts, almonds, Brazil nuts, pecans, dried peaches, dried apples, dried apricots, dried pears.

NO. OF FIRMS

LISTED/CERTIFIED: 28.

ORGANIZATION NAME: TECO Products and Testing Corp./Research and Testing Division

ACRONYM: TECO

NATURE OF

ORGANIZATION: Corporation founded in 1933 with a staff of approximately 55.

ADDRESS: 5530 Wisconsin Ave., Chevy Chase, MD 20815

TELEPHONE NUMBER: 301-654-8288 Contact: T. J. Luddy

LOCATIONS OF TESTING FACILITIES: Eugene, OR; and in the factories themselves.

PURPOSE: To provide product inspection and certification services in the manufacture of wood products; such as plywood and other structural use panels used primarily in building construction.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1958

STANDARDS

USED: Uses nationally recognized standards such as NBS voluntary standards, HUD, ANSI and ASTM standards.

CERTIFICATION

ACTIVITIES:

1. Requires type and follow up testing of a product.
2. Requires initial and periodic factory inspection and evaluation of a producer's Q.A. system.
3. Authorizes the use of its mark and issues certificates.

COMMENTS:

1. Does not have a formal appeals procedure.
2. Will conduct field inspections as needed.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined based on volume.

PRODUCTS

CERTIFIED: Wood products, such as plywood, particleboard, waferboard, OSB, hardboard, laminated wood products, other similar types of wood products.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Approximately 50.

PRODUCT

DIRECTORIES: A client list is available free from TECO.

ORGANIZATION NAME: Tile Council of America, Inc.

ACRONYM: TCA

NATURE OF

ORGANIZATION: Trade association founded in 1945 with 20 members and a staff of 16.

ADDRESS: P.O. Box 326, Princeton, NJ 08542

TELEPHONE NUMBER: 609-921-7050

LOCATIONS OF TESTING FACILITIES: Princeton, NJ.

PURPOSE: To promote the use of ceramic tile through advertising, public relations and research on the installation of the product.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1959

STANDARDS

USED: Uses ANSI and TCA standards available from ANSI and TCA.

CERTIFICATION

ACTIVITIES:

1. Requires initial and follow-up testing.
2. Authorizes the use of its mark.
3. Lists approved manufacturers.

AVAILABILITY OF SERVICES: Open to licensees only.

COST OF SERVICES: Free to licensees.

PRODUCTS

CERTIFIED: Dry set mortars and grouts, epoxy mortar and grout for glazed and unglazed tile, epoxy adhesives.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 32.

PRODUCT

DIRECTORIES: See Page 31 in "Handbook for Ceramic Tile Installation," which is available free from TCA in single copies.

PROGRAM

DOCUMENTATION

AVAILABLE: See "Handbook for Ceramic Tile Installation."

ORGANIZATION NAME: Underwriters Laboratories

ACRONYM: UL

NATURE OF

ORGANIZATION: Not-for-profit independent testing laboratory founded in 1894 and having a staff of over 3000.

ADDRESS: 333 Pfingsten Road, Northbrook, IL 60062

TELEPHONE NUMBER: 312-272-8800

LOCATIONS OF TESTING FACILITIES: Northbrook, IL; Melville, NY; Tampa, FL; Santa Clara, CA.

PURPOSE: To establish, maintain, and operate laboratories for the investigation of materials, devices, products, equipment, constructions, methods, and systems with respect to hazards affecting life and property.

CERTIFICATION

FUNCTION(S): Product design evaluation, program administrator and third party certification validator.

CERTIFICATION

PROGRAM(S) BEGUN: 1894

STANDARDS

USED: Uses UL standards listed in the UL Catalog of Standards.
Also uses other national and international standards.

CERTIFICATION

ACTIVITIES:

1. Provides initial engineering evaluation and follow-up factory testing and inspection services.
2. Requires follow-up inspection/testing for listed products.
3. Approves testing laboratories and manufacturers' testing facilities for IECQ system.
4. Has its own listing mark and lists products.
5. Has a classification service with respect to specific hazards, limitations or conditions of performance. Classified products are published in directories.
6. Has a component recognition service, and publishes recognized components in a directory.
7. Issues certificates for products where marking is impractical.
8. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fees are based on cost of services provided.

PRODUCTS

LISTED: Building materials; fire protection equipment; electrical appliances; electrical construction materials; marine equipment; gas and oil equipment; automobile, burglary protection, and mechanical equipment; hazardous location equipment; products requiring fire resistance.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: Over 29,000.

PRODUCT

DIRECTORIES: "Building Materials; Fire Protection Equipment;" "Fire Resistance;" "Recognized Component;" "Electrical Appliance and Utilization Equipment;" "Marine Products;" "Automotive, Burglary Protection, and Mechanical Equipment;" "Gas and Oil Equipment" are available for a fee.

ORGANIZATION NAME: United States Auto Club, Inc.

ACRONYM: USAC

NATURE OF

ORGANIZATION: Nonprofit, independent testing laboratory founded in 1955 with a membership of 3600 and a staff of 18.

ADDRESS: 4910 W. 16th Street, Indianapolis, IN 46224

TELEPHONE NUMBER: 317-247-5151

LOCATIONS OF TESTING FACILITIES: USAC Certification Committee Headquarters in Indianapolis, IN and the Indianapolis Motor Speedway.

PURPOSE: To insure the betterment of the sport of automobile racing by providing qualified leadership for, and officiating at, the major automobile competitions in this country.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1956

STANDARDS

USED: Uses SAE, ASME, and ASTM standards.

CERTIFICATION

ACTIVITIES:

1. Certifies that products are actually used in racing cars.
2. May require initial and follow-up car/product inspection.
3. Authorizes the use of its mark and issues certificates of performance.

AVAILABILITY OF SERVICES: Open to all entered in USAC Sanctioned Auto Racing Events.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Lubricating oils, spark plugs, oil additives, tires, engine coolant, racing car safety devices.

ORGANIZATION NAME: United States Auto Club Properties, Inc.
(A wholly owned subsidiary of the U.S. Auto Club, Inc.)

ACRONYM: USAC Properties, Inc.

NATURE OF

ORGANIZATION: Independent, for-profit testing laboratory incorporated in 1969 with a staff of 10, but with access to 320 other Licensed Officials and technicians.

ADDRESS: 4910 W. 16th Street, Indianapolis, IN 46224

TELEPHONE NUMBER: 317-244-2776

LOCATIONS OF TESTING FACILITIES: Headquarters is in Indianapolis, IN with actual testing sites at automotive proving grounds, Indianapolis Motor Speedway and in foreign countries.

PURPOSE: To offer the automotive, trucking and related industries, advertising agencies, and the private sector a proven professional testing organization, having over 30 years experience and utilizing the most up-to-date, state-of-the-art computerized testing equipment with instantaneous print-out of performance results.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1955

STANDARDS

USED: Uses USAC standards available from USAC.
Also uses SAE, ASME, and ASTM standards.

CERTIFICATION

ACTIVITIES: 1. Requires type and follow up testing. Products to be tested are selected at random from the manufacturer's assembly lines or shipping departments and USAC seals components to assure that the product to be tested is representative of those offered to the general public. Such products are then impounded by USAC until test is completed.
2. Requires initial and follow up factory inspection and evaluation of a producer's Q.A. system.
3. Authorizes the use of its mark and issues certificates of approval.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Individually determined.

PRODUCTS

CERTIFIED: Automobiles, trucks, earth moving equipment, golf carts, tires, engine lubricants, oil additives, automobile engine testing equipment, certified fuel economy tests, batteries, car rentals - as rented general condition of cars, farm tractors, etc.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED:

Approximately 325.

PROGRAM
DOCUMENTATION

AVAILABLE: USAC publishes tests conducted in USAC Newsletter which is mailed to members and press lists.

ORGANIZATION NAME: United States Golf Association

ACRONYM: USGA

NATURE OF

ORGANIZATION: Athletic organization founded in 1894.

ADDRESS: Golf House, Far Hills, New Jersey 07931

TELEPHONE NUMBER: 201-234-2300

LOCATIONS OF TESTING FACILITIES: Far Hills, NJ.

PURPOSE: To promote and conserve throughout the United States the best interest and true spirit of the game of golf as embodied in its ancient and honorable tradition.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses USGA standards available from USGA.

CERTIFICATION

ACTIVITIES:

1. Requires initial type testing of balls used in USGA championships.
2. Issues a list of approved balls for use in championships.
3. Permits the use of the term "Conforms with USGA Rules" for balls which pass USGA testing.

COMMENTS: Maintains and improves the USGA handicap and course-rating system for use by golf clubs and golf associations throughout the country.

AVAILABILITY OF SERVICES: Open to all.

PRODUCTS

CERTIFIED: Golf balls.

ORGANIZATION NAME: Warnock Hersey International, Inc.

ACRONYM: WHI

NATURE OF

ORGANIZATION: An independent test laboratory founded in 1957 with a staff of 28.

ADDRESS: P.O. Box 1078, Antioch, CA 94509

TELEPHONE NUMBER: 415-432-7344

LOCATIONS OF TESTING FACILITIES: Antioch, Ca; Middleton, WI; Buffalo, NY; Coquitlam, B.C., Canada.

PURPOSE: To test and label products such as fire doors, fire door frames, fire-rated partitions, fire dampers, column fire proofing, flame spread and solid fuel burning appliances.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1974

STANDARDS

USED: Uses ASTM, UL, ULC, and UBC standards which are available from those organizations.

CERTIFICATION

- ACTIVITIES:
1. Requires initial type testing and follow up testing by WHI.
 2. Requires initial and periodic factory inspections and evaluation of a manufacturer's Q.A. system by WHI.
 3. Issues certificates of approval and authorizes the use of its mark.
 4. Publishes approved product/manufacture directories.
 5. Has a formal appeals procedure.

COMMENTS: Test fees and certification fees vary for different products depending on the complexities and nature of the tests and products.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Fixed fee schedules.

PRODUCTS

CERTIFIED: Vertical fire assembly components, horizontal fire assembly components, flame spread ratings for materials, solid fuel burning appliances.

NO. OF FACTORIES/
FIRMS LISTED/CERTIFIED: Over 250.

PRODUCT

DIRECTORIES: "Fire Laboratories Listing" is available from WHI for a fee.

ORGANIZATION NAME: Water Quality Association

ACRONYM: WQA

NATURE OF

ORGANIZATION: Trade association founded in 1974 with a membership of approximately 1500.

ADDRESS: 4151 Naperville Road, Lisle, IL 60532

TELEPHONE NUMBER: 312-369-1600

LOCATIONS OF TESTING FACILITIES: 4151 Naperville Road, Lisle, IL 60532

PURPOSE: To promote the acceptance and use of industry equipment, products, and services; and to conduct such activities as might improve the economy and efficiency within the industry.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

STANDARDS

USED: Uses WQA standards available from WQA.
Also uses NSF standards, the National Electrical Code and FDA standards.

CERTIFICATION

ACTIVITIES:

1. Accredits laboratories to do testing in addition to the WQA laboratories.
2. Initial product testing as voluntarily requested by manufacturer.
3. Requires follow-up testing every five years or as deemed necessary for voluntary validation program.
4. Issues a certificate of compliance and authorizes the use of its mark.
5. Publishes approved product/manufacturer directories.
6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all.

COST OF SERVICES: Based on annual fee schedule.

PRODUCTS

CERTIFIED: Water softeners -- domestic and commercial, water filters
--domestic and commercial, reverse osmosis devices.

PROGRAM

DOCUMENTATION

AVAILABLE: "Guide for Product Validation Program" is available free from WQA.

ORGANIZATION NAME: Water Systems Council, Pitless Adapter Division

ACRONYM: PAD/WSC

NATURE OF

ORGANIZATION: Trade association founded in 1932 with a membership of approximately 55.

ADDRESS: 221 North La Salle Street, Chicago, IL 60601

TELEPHONE NUMBER: 312-346-1600

LOCATIONS OF TESTING FACILITIES: Allied Laboratory, Villa Park, IL.

PURPOSE: To disseminate information to members, consumers, and other groups regarding water systems, markets, sales, installations servicing, engineering considerations, and member company operations; to sponsor workshops; and to conduct cost studies and compile statistics.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1966

STANDARDS

USED: Uses PAS-1 standard available from PAD.

CERTIFICATION

- ACTIVITIES:
1. Accredits laboratories to do testing and observes first series of tests that the lab conducts.
 2. May periodically inspect the laboratory.
 3. Requires initial product testing at an accredited laboratory.
 4. Authorizes the use of its symbol and issues certificates of compliance.
 5. Publishes listing of approved products/manufacturers.
 6. Has a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to members and non-members.

COST OF SERVICES: Based on cost of testing.

PRODUCTS

CERTIFIED: Pitless adapters, complete pitless units, pitless caps.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 11 companies.

PRODUCT

DIRECTORIES: Listing is contained in "Recommended Standards (PAS-1) and Installation Procedures for Sanitary Water Well Pitless Adapters and Units" which is available from PAD for a fee.

PROGRAM

DOCUMENTATION

AVAILABLE: See entry under Product Directories.

ORGANIZATION NAME: Western Hardwood Association

ACRONYM: WHA

NATURE OF

ORGANIZATION: Trade association founded in 1955 with a membership of 75 and a staff of 3.

ADDRESS: 1219 S.W. Main, Portland, OR 97205

TELEPHONE NUMBER: 503-243-2094

LOCATIONS OF TESTING FACILITIES: N/A

PURPOSE: To procure, conserve and promote Northwest hardwoods; to elevate hardwoods of the Northwest to a position of high demand for use in case goods, upholstered furniture, cabinets, pallets and many other uses.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1972

STANDARDS

USED: Uses the National Hardwood Lumber Association grading rules available from WHA.

CERTIFICATION

ACTIVITIES: 1. Inspects and grades hardwoods through private agency.
2. Authorizes the use of its mark.

AVAILABILITY OF SERVICES: Open to members and non-members.

COST OF SERVICES: Fixed fee schedule.

PRODUCTS

CERTIFIED: Hardwoods.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 9.

PRODUCT

DIRECTORIES: None.

ORGANIZATION NAME: Western Wood Products Association

ACRONYM: WWP

NATURE OF

ORGANIZATION: Trade association founded in 1964 with a membership of approximately 250.

ADDRESS: 1500 Yeon Building, Portland, OR 97204

TELEPHONE NUMBER: 503-224-3930

LOCATIONS OF TESTING FACILITIES: Inspects only.

PURPOSE: To develop technical data to describe the qualities and uses of Western woods; to disseminate information on the merits and applications of Western lumber; and to develop standards of size and quality for Western lumber.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: Pre 1930

STANDARDS

USED: Uses WWP grading standards which are available from WWP.
Uses NBS standard PS 20-70, grading rules for the West Coast Lumber Inspection Bureau (WCLIB) and the Pacific Lumber Inspection Bureau (PLIB), and ASTM standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial and periodic follow-up testing by WWP inspectors.
2. Has a buyer/seller dispute resolution procedure.
3. Authorizes the uses of its mark and issues certificates of compliance.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to any lumber manufacturer in the 12 Western states.

COST OF SERVICES: At cost.

PRODUCTS

CERTIFIED: Glued products, machine stress-rated Western lumber, Western lumber.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: WWP inspects about 40% of all softwood lumber produced in the U.S.

PRODUCT
DIRECTORIES: None.

PROGRAM
DOCUMENTATION
AVAILABLE:

"Western Lumber Grading Rules," "Glued Products: Procedures for Certification and Quality Control," and "Machine Stress Rated Western Lumber: Procedures for Certification and Quality Control" are available from WWPAA for a fee.

ORGANIZATION NAME: Wood Heating Alliance

ACRONYM: WHA

NATURE OF

ORGANIZATION: Trade association founded in 1980 with a membership of approximately 900.

ADDRESS: 1101 Connecticut Ave., NW, Suite 700, Washington, DC 20036

TELEPHONE NUMBER: 202-857-1181

LOCATIONS OF TESTING FACILITIES:

PURPOSE: To foster and promote research and education in the use of wood, coal and other fuels as alternative sources of energy; to promote safety in the use of wood, coal and other fuels; to foster the highest level of design, quality and performance in appliances using wood, coal and other fuels.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: 1980

STANDARDS

USED: Uses WHA standards which are available from WHA.

CERTIFICATION

ACTIVITIES:

1. Accredits testing laboratories.
2. Requires manufacturers to report the results of testing by accredited laboratories.
3. Authorizes the use of its mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members.

PRODUCTS

CERTIFIED: Fireplaces, fireplace inserts, wood stoves.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 5 Firms.

PRODUCT

DIRECTORIES: "Solid Fuel Appliance Certification Directory" available for a fee from WHA.

PROGRAM

DOCUMENTATION

AVAILABLE: See entry under Product Directories.

ORGANIZATION NAME: Wood Moulding & Millwork Producers Association

ACRONYM: WMMPA

NATURE OF

ORGANIZATION: Professional, nonprofit trade association founded in 1963 with a membership of 48 and a staff of 4.

ADDRESS: 1730 SW Syline Blvd., Suite 128, Portland, OR 97221 or
P. O. Box 25278, Portland, OR 97225

TELEPHONE NUMBER: 503-292-9288

LOCATIONS OF TESTING FACILITIES: Fire-rated exterior wood door frames only
are tested by Warnock Hersey in Antioch, CA.

PURPOSE: To represent the manufacturers of wood mouldings, door jambs, and related products; to provide those functions that an independent company cannot provide for itself; and to develop and maintain industry standards.

CERTIFICATION

FUNCTION(S): Program administrator.

CERTIFICATION

PROGRAM(S) BEGUN: Fire-rated exterior wood door frames - May, 1983.
Wood mouldings and jambs - 1981 certification for
non-structural laminated or finger jointed wood
under WM 5-81
Vinyl-Wrapped Interior Moulding & Millwork - 1981
under WM 2-82

STANDARDS

USED: Fire-rated exterior wood door frames -
WM 8-83 and UBC 43.2.
Non-structural laminated or finger jointed wood -
WM 5-81 and ASTM D-3110-72.
Vinyl-wrapped interior moulding & millwork -
WM 2-82 and ANSI Z34.1-47R-75.

CERTIFICATION

- ACTIVITIES:
- A. FIRE-RATED WOOD DOOR FRAMES UNDER WM 8-83
 1. Requires testing by an approved laboratory.
 2. Requires initial and periodic factory inspection including evaluation of a producer's Q.A. system.
 3. Authorizes the use of its mark for members only and issues certificates of approval.
 4. Publishes approved product/manufacturer list.
 - B. NON-STRUCTURAL LAMINATED OR FINGER JOINTED WOOD, WM 5-81
 1. Requires initial inspection and testing and two annual product tests and inspections by an approved inspection agency.
 2. Authorizes the use of its registered trademark for members only and issues certificates of approval.
 3. Maintains a list of approved adhesives.

- C. VINYL-WRAPPED INTERIOR MOULDING & MILLWORK, WM 2-82
1. Requires initial inspection and periodic inspections and testing every 6 months by an approved testing laboratory.
 2. Authorizes the use of its registered trademark for members only and issues certificates of approval.
 3. Publishes approved product/manufacturer directories of members only.

COMMENTS: Each of the three programs has its own requirements.
There is no formal appeals procedure.

AVAILABILITY OF SERVICES: Certification under WM 3-83 is open to members only. Certification under WM 5-81 and WM 2-82 is open to all.

COST OF SERVICES: Certification under WM 3-83 has individually determined costs. Certification under WM 2-82 and WM 5-81 is free to members and has a fixed fee schedule for non-members.

PRODUCTS

CERTIFIED: Exterior wood frame doors, wood mouldings, wood jambs.

PRODUCT

DIRECTORIES: A listing of approved exterior door frames, under WM 8-83, is available free upon request. A directory of all WMMPA members and services is available for \$2.50.

PROGRAM

DOCUMENTATION

AVAILABLE: Information on the certification systems is contained in the appropriate WMMPA standards.

ORGANIZATION NAME: The Wool Bureau, Inc.

ACRONYM: None.

NATURE OF

ORGANIZATION: Nonprofit trade association founded in 1937 with 1030 licensees and a staff of 96.

ADDRESS: 360 Lexington Ave., New York, NY 10017-6572

TELEPHONE NUMBER: 212-986-6222 (Executive Office) or
516-364-0890 (Laboratory)

LOCATIONS OF TESTING FACILITIES: The Wool Bureau Inc.,
Technical Services Center
225 Crossways Park Dr.
Woodbury, NY 11797

PURPOSE: To certify products for eligibility for the Bureau's registered certification trademarks.

CERTIFICATION

FUNCTION(S): Program administrator and certifier.

CERTIFICATION

PROGRAM(S) BEGUN: 1963

STANDARDS

USED: Uses internal standards.

CERTIFICATION

ACTIVITIES: 1. Requires initial type testing and periodic follow up testing.
2. Requires periodic factory inspections.
3. Requires testing of retail purchases.
4. Issues certificates of approval.
5. Authorizes the use of its mark.
6. Has a formal appeals procedure.

COMMENTS: None.

AVAILABILITY OF SERVICES: Testing services are available to the entire wool industry but certification is limited to licensees.

COST OF SERVICES: N/A.

PRODUCTS

CERTIFIED: Fabrics/garments composed of 100% Virgin Wool, fabrics/garments composed of 60% or more Virgin Wool blended with other fibers.

NO. OF FACTORIES/

FIRMS LISTED/CERTIFIED: 1030 licensees.

ORGANIZATION NAME: Zinc Institute

ACRONYM: ZI

NATURE OF

ORGANIZATION: Trade association founded in 1918 with approximately 30 members.

ADDRESS: 292 Madison Ave., New York, NY 10017

TELEPHONE NUMBER: 212-578-4750

LOCATIONS OF TESTING FACILITIES: Does not test.

PURPOSE: To conduct market research and promotion programs and compile statistics on the industry.

CERTIFICATION

FUNCTION(S): Program administrator.

STANDARDS

USED: Uses ZI standards available from ZI.
Also uses ASTM standards.

CERTIFICATION

ACTIVITIES: 1. Requires self-certification by manufacturers and the submission of testing data on a regular basis.
2. May conduct inspection and/or testing as required.
3. Authorizes the use of its mark.

COMMENTS: Does not have a formal appeals procedure.

AVAILABILITY OF SERVICES: Open to all members.

PRODUCTS

CERTIFIED: Hot dipped zinc-coated ferrous sheets and/or coils.

PRODUCT

DIRECTORIES: None.

PROGRAM

DOCUMENTATION

AVAILABLE: "Licensing Agreement" and "Specification for Hot-dipped Zinc-coated Ferrous Sheets and/or Coils
Institute Seal of Quality' Certificate free from ZI.

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3.2 ACRONYM/INITIALS LISTING

ACRONYM	NAME
AAMA	AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION
AAMMC	AMERICAN ASSOCIATION OF MEDICAL MILK COMMISSIONS, INC.
AARS	ALL-AMERICA ROSE SELECTIONS
AAS	ALL-AMERICA SELECTIONS
AATCC	AMERICAN ASSOCIATION OF TEXTILE CHEMISTS & COLORISTS
ABS	AMERICAN BUREAU OF SHIPPING
ABYC	AMERICAN BOAT & YACHT COUNCIL
ACI	AMERICAN CONCRETE INSTITUTE
ADA	AMERICAN DENTAL ASSOCIATION
ADC	AIR DIFFUSION COUNCIL
ADCI	AMERICAN DIE CASTING INSTITUTE
ADR	EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD
AGA	AMERICAN GAS ASSOCIATION
AGTL	ARNOLD GREENE TESTING LABORATORIES
AHAM	ASSOCIATION OF HOME APPLIANCE MANUFACTURERS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ALI	ASSOCIATED LABORATORIES, INC.
ALSC	AMERICAN LUMBER STANDARDS COMMITTEE
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION
ANS	AMERICAN NUCLEAR SOCIETY
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
APHA	AMERICAN PUBLIC HEALTH ASSOCIATION, INC.
API	AMERICAN PETROLEUM INSTITUTE
ARI	AIR-CONDITIONING & REFRIGERATION INSTITUTE

ACRONYM	NAME
ARL	APPLIED RESEARCH LABORATORIES
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATING & AIR-CONDITIONING ENGINEERS, INC.
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS, INC.
ASSE	AMERICAN SOCIETY OF SANITARY ENGINEERING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ATP	AGREEMENT ON THE INTERNATIONAL CARRIAGE OF PERISHABLE FOODSTUFFS AND ON THE SPECIAL EQUIPMENT TO BE USED FOR SUCH CARRIAGE
AWI	ARCHITECTURAL WOODWORK INSTITUTE
AWPA	AMERICAN WOOD PRESERVERS' ASSOCIATION
AWPB	AMERICAN WOOD PRESERVERS' BUREAU
AWS	AMERICAN WELDING SOCIETY
AWWA	AMERICAN WATER WORKS ASSOCIATION, INC.
BHMA	BUILDERS HARDWARE MANUFACTURERS ASSOCIATION
BISSC	BAKING INDUSTRY SANITATION STANDARDS COMMITTEE
BOCA	BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC.
CABO	COUNCIL OF AMERICAN BUILDING OFFICIALS (SEE NATIONAL RESEARCH BOARD)
CBM	CERTIFIED BALLAST MANUFACTURERS ASSOCIATION
CIM	INTERNATIONAL CONVENTION CONCERNING THE CARRIAGE OF GOODS BY RAIL
CISEP	CELLULOSE INDUSTRY STANDARDS ENFORCEMENT PROGRAM
CISPR	INTERNATIONAL SPECIAL COMMITTEE ON RADIO INTERFERENCE, IEC.
CLIS	CALIFORNIA LUMBER INSPECTION SERVICE
CPSC	CONSUMER PRODUCT SAFETY COMMISSION
CMI	CULTURED MARBLE INSTITUTE
CMRSI	C.M. ROU SERVICES, INC.
CSA	CANADIAN STANDARDS ASSOCIATION

ACRONYM	NAME
CSC	INTERNATIONAL CONVENTION FOR SAFE CONTAINERS
CTI	COOLING TOWER INSTITUTE
DFA OF CA	DRIED FRUIT ASSOCIATION OF CA
DIN	DEUTSCHE INDUSTRIE-NORMEN (GERMAN INDUSTRIAL STANDARDS)
DLPA	DECORATIVE LAMINATE PRODUCTS ASSOCIATION
DOE	DEPARTMENT OF ENERGY
DOT	DEPARTMENT OF TRANSPORTATION
ECCB	ELECTRONIC COMPONENTS CERTIFICATION BOARD
EIA	ELECTRONIC INDUSTRIES ASSOCIATION
EMC	ELECTROMAGNETIC CONDUCTIVITY
EMI	ELECTROMAGNETIC INTERFERENCE
ETL	ETL TESTING LABORATORIES
FAR	FEDERAL AIR REGULATION
FCC	FEDERAL COMMUNICATION COMMISSION
FDA	FOOD AND DRUG ADMINISTRATION, DEPT. OF HEALTH AND HUMAN SERVICES
FHA	FEDERAL HOUSING ADMINISTRATION, DEPT. OF HOUSING AND URBAN DEVELOPMENT
FM	FACTORY MUTUAL RESEARCH CORPORATION
FMRC	FACTORY MUTUAL RESEARCH CORPORATION
FTC	FEDERAL TRADE COMMISSION
FTI	FACING TILE INSTITUTE
GAMA	GAS APPLIANCE MANUFACTURERS ASSOCIATION
GPO	GOVERNMENT PRINTING OFFICE
GSA	GENERAL SERVICES ADMINISTRATION
HECC	HOCKEY EQUIPMENT CERTIFICATION COUNCIL
HI	HYDRONICS INSTITUTE

ACRONYM	NAME
HPMA	HARDWOOD PLYWOOD MANUFACTURERS ASSOCIATION
HSB	HARTFORD STEAM BOILER INSPECTION AND INSURANCE CO.
HUD	DEPT. OF HOUSING AND URBAN DEVELOPMENT
HVI	HOME VENTILATING INSTITUTE
IAPMO	INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
IBCC	INTERNATIONAL BUILDING CLASSIFICATION COMMITTEE
I-B-R	HYDRONICS INSTITUTE
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICGB	INTERNATIONAL CARGO GEAR BUREAU, INC.
IEC	INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
IFABI	INTERNATIONAL FABRICARE INSTITUTE
IGCC	INSULATING GLASS CERTIFICATION COUNCIL
IMCO	SEE IMO
IMDG	INTERNATIONAL MARITIME DANGEROUS GOODS CODE
IMO	INTERNATIONAL MARITIME ORGANIZATION (FORMERLY IMCO)
ISDSI	INSULATED STEEL DOOR SYSTEMS INSTITUTE
ISEA	INDUSTRIAL SAFETY EQUIPMENT ASSOCIATION
ISO	INTERNATIONAL ORGANIZATION FOR STANDARDIZATION
ITL	INDUSTRIAL TESTING LABORATORIES, INC.
JPMA	JUVENILE PRODUCTS MANUFACTURERS ASSOCIATION
MEA	METALLURGICAL ENGINEERS OF ATLANTA, INC.
MFMA	MAPLE FLOORING MANUFACTURERS ASSOCIATION
MIL. STD	MILITARY STANDARD
MIL SPEC	MILITARY SPECIFICATION
NAHB	NATIONAL ASSOCIATION OF HOME BUILDERS
NAHBRF	NAHB RESEARCH FOUNDATION, NATIONAL ASSOCIATION OF HOME BUILDERS

ACRONYM	NAME
NAMA	NATIONAL AUTOMATIC MERCHANDISING ASSOCIATION
NAR	NATIONAL ASSOCIATION OF ROCKETRY
NBBI	NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS
NBIC	NATIONAL BOARD INSPECTION CODES
NBS	NATIONAL BUREAU OF STANDARDS
NCTL	NATIONAL CERTIFIED TESTING LABORATORIES
NDMA	NATIONAL DIMENSION MANUFACTURERS ASSOCIATION
NEC	NATIONAL ELECTRICAL CODE
NES	NATIONAL EVALUATION SERVICE, CABO
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NETA	NATIONAL ELECTRICAL TESTING ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFPA	NATIONAL FLUID POWER ASSOCIATION
NHLA	NATIONAL HARDWOOD LUMBER ASSOCIATION
NHPMA	NORTHERN HARDWOOD AND PINE MANUFACTURERS ASSOCIATION, INC.
NHTSA	NATIONAL HIGHWAY TRANSPORTATION SAFETY ADMIN., DEPT. OF TRANS.
NIOSH	NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH
NKCA	NATIONAL KITCHEN CABINET ASSOCIATION
NMMA	NATIONAL MARINE MANUFACTURERS ASSN.
NOFMA	NATIONAL OAK FLOORING MANUFACTURERS ASSOCIATION, INC.
NRC	NUCLEAR REGULATORY COMMISSION
NSF	NATIONAL SANITATION FOUNDATION
NSTA	NATIONAL SAFE TRANSIT ASSOCIATION
NWL	NORTHWEST LABORATORIES OF SEATTLE, INC.
NWMA	NATIONAL WOODWORK MANUFACTURERS ASSOCIATION, INC.
OPEI	OUTDOOR POWER EQUIPMENT INSTITUTE

ACRONYM	NAME
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, DEPT. OF LABOR
PAD	PITLESS ADAPTER DIVISION, WATER SYSTEMS COUNCIL
PCA	PORTLAND CEMENT ASSOCIATION
PCI	PRESTRESSED CONCRETE INSTITUTE
PDI	PLUMBING AND DRAINAGE INSITUTE
PFS	PFS CORPORATION
PIRL	PACIFIC INSPECTION AND RESEARCH LABORATORIES, INC.
PLI	PULVER LABS, INC.
PLIB	PACIFIC LUMBER INSPECTION BUREAU
PTL	PITTSBURGH TESTING LABORATORY
QA	QUALITY ASSURANCE
RADCO	RESOURCES APPLICATIONS, DESIGN & CONTROLS, INC.
RCSHSB	RED CEDAR SHINGLE AND HANDSPLIT SHAKE BUREAU
REA	RURAL ELECTRIFICATION ADMINISTRATION, DEPT. OF AGRICULTURE
RFI	RADIO FREQUENCY INTERFERENCE
RID	INTERNATIONAL REGULATIONS CONCERNING THE CARRIAGE OF DANGEROUS GOODS BY RAIL
RIS	REDWOOD INSPECTION SERVICE
RRC	REFRACTORY RESEARCH CENTER
RVDA	RECREATION VEHICLE DEALERS ASSOCIATION
RVIA	RECREATION VEHICLE INDUSTRY ASSOCIATION
RVRA	RECREATION VEHICLE RENTAL ASSOCIATION
SAE	SOCIETY OF AUTOMOTIVE ENGINEERS, INC.
SBCCI	SOUTHERN BUILDING CODE CONGRESS INTERNATIONAL
SEI	SAFETY EQUIPMENT INSTITUTE, INDUSTRIAL SAFETY EQUIPMENT ASSOCIATION

<u>ACRONYM</u>	<u>NAME</u>
SGCC	SAFETY GLAZING CERTIFICATION COUNCIL
SIGMA	SEALED INSULATING GLASS MANUFACTURERS ASSOCIATION
SIB	SOFTWOOD INSPECTION BUREAU, NORTHERN HARDWOOD AND PINE MANUFACTURERS ASSOCIATION
SJI	STEEL JOIST INSTITUTE
SMF	SNELL MEMORIAL FOUNDATION
SPIB	SOUTHERN PINE INSPECTION BUREAU
SRCC	SOLAR RATING AND CERTIFICATION CORPORATION
SSCC	SNOWMOBILE SAFETY AND CERTIFICATION COMMITTEE, INC.
SSPMA	SUMP AND SEWAGE PUMP MANUFACTURERS ASSOCIATION
STI	STEEL TANK INSTITUTE
TCA	TILE COUNCIL OF AMERICA, INC.
TCT	AUSTRALIAN DEPT. OF HEALTH WOOD TREATMENT REGULATIONS
TECO	TECO PRODUCTS AND TESTING CORP.
TEES	TEXAS ENGINEERING EXPERIMENT STATION, TEXAS A & M UNIVERSITY
TIR	CUSTOMS CONVENTION ON THE INTERNATIONAL TRANSPORT OF GOODS UNDER COVER OF TIR CARNETS
TRI	THE REFRACTORIES INSTITUTE
UBC	UNIFORM BUILDING CODE
UIC	INTERNATIONAL UNION OF RAILWAYS
UL	UNDERWRITERS LABORATORIES, INC.
ULC	UNDERWRITERS LABORATORIES OF CANADA
USAC	UNITED STATES AUTO CLUB, INC.
USAC PROP	UNITED STATES AUTO CLUB PROPERTIES, INC.
USCG	UNITED STATES COAST GUARD
USDA	U.S. DEPT. OF AGRICULTURE
USGA	U.S. GOLF ASSOCIATION

<u>ACRONYM</u>	<u>NAME</u>
USTC	UNITED STATES TESTING COMPANY
VBP	VINYL BUILDERS PRODUCTS
VDE	VERBAND DEUTSCHER ELEKTROTECHNIKER
VPS	VOLUNTARY PRODUCT STANDARD
WCLIB	WEST COAST LUMBER INSPECTION BUREAU
WHA	WESTERN HARDWOOD ASSOCIATION
WHA	WOOD HEATING ALLIANCE
WHI	WARNOCK HERSEY INTERNATIONAL, INC.
WMMPA	WOOD MOULDING & MILLWORK PRODUCERS ASSOCIATION
WQA	WATER QUALITY ALLIANCE
WSC	WATER SYSTEMS COUNCIL
WWPA	WESTERN WOOD PRODUCT ASSOCIATION
ZI	ZINC INSTITUTE

3.3. ORGANIZATIONAL INDEX BY PRODUCT CERTIFIED

PRODUCTS ARE LISTED BY MAJOR GROUP AND BY INDIVIDUAL PRODUCT SINCE DIFFERENT ORGANIZATIONS CATEGORIZED THE PRODUCTS THEY CERTIFY IN DIFFERENT WAYS. FOR EXAMPLE, SOME ORGANIZATIONS INDICATED THAT THEY CERTIFY PLUMBING PRODUCTS IN GENERAL AND OTHER ORGANIZATIONS LISTED THE SPECIFIC PLUMBING PRODUCTS THAT THEY CERTIFY. TO DETERMINE ALL ORGANIZATIONS WHICH MIGHT CERTIFY A SPECIFIC PRODUCT IT IS NECESSARY TO LOOK UNDER THAT PRODUCT AS WELL AS THE MAJOR GROUP WHICH IS LISTED NEXT TO THE PRODUCT.

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